

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL ☒ DEEPEN ☐ PLUG BACK ☐

b. TYPE OF WELL
OIL WELL ☒ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☐

2. NAME OF OPERATOR
Marathon Oil Company

3. ADDRESS OF OPERATOR
PO Box 2659, Casper WY 82602

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface 2030' FNL & 1830' FWL
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
19.8 miles northwest from Hatch Trading Post, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any) 1830'

16. NO. OF ACRES IN LEASE
1880.0

17. NO. OF ACRES ASSIGNED TO THIS WELL
160

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
6020'

19. PROPOSED DEPTH
6020'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5219' Ungraded Ground

22. APPROX. DATE WORK WILL START*
SAP, 4 quarter, 1983

5. LEASE DESIGNATION AND SERIAL NO.
U-51275

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Tank Canyon

9. WELL NO.
1-9

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 9, T37S, R24E

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

PROPOSED CASING AND CEMENTING PROGRAM

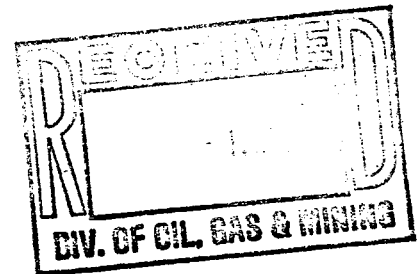
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
Please see Item #4 of 10-Point for complete casing and cementing record.				

WE REQUEST THAT ALL INFORMATION REGARDING THIS WELL BE HELD CONFIDENTIAL AS PRESCRIBED BY FEDERAL AND STATE LAW.

Please see the following attachments:

1. Surveyor's Plat
2. Ten-Point Drilling Program
3. BOP Schematic
4. Thirteen-Point Surface Plan
5. Maps and Diagrams

CONFIDENTIAL



The person responsible for NTL-6 is Walt West
Gov't Compliance
Office (307) 577-1555
Home (307) 235-1420

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Robert H. Jones FOR D.L. JONES TITLE District Operations Manager DATE 10/31/83
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

11-2-83
M



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dr. G. A. (Jim) Shirazi, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

M E M O R A N D U M

TO: All Oil & Gas Operators
SUBJECT: Confidential Well Status
DATE: September 13, 1983

1. A well may be placed on a confidential status only by written request, and will become effective the day such request is actually received by the Division.
2. A requested confidential status shall apply to informational records submitted to the Division which progressively describe the strata, water, oil or gas encountered in drilling a well, with such additional information as is usually included in the normal procedure of drilling and completion operations including "Sundry Notices and Reports on Wells", "Well Completion or Recompletion Report", "Report of Operations and Well Status Report" and copies of electric logs.
3. A confidential status may be requested at the time the Application for Permit to Drill is submitted; however, the application itself will not be considered as confidential.
4. The maximum period of time a well may be held on a confidential status is Nine (9) months after the date of completion.
5. Even though a well has been placed on a confidential status, the Division will not accept confidential responsibility for documents which are not clearly marked as confidential. Such marking shall be in red, and shall include an expiration date which is nine (9) months from the date of completion, once completion has been achieved. Because of Division internal routing for well records, all copies of a confidential document must be appropriately marked.
6. Confidential wells shall not be included on the same page of a report with wells that are not confidential.

NCS/cf



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

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September 13, 1983

OIL & GAS OPERATORS
STATE OF UTAH

RE: Reports and Applications

In order to help assure that reports and applications submitted to the Division are accurate and complete, please utilize the following information:

APPLICATION FOR PERMIT TO DRILL

1. Include the telephone number of the person to contact if additional information is needed.
2. Properly identify the lease as Indian, Fee, State or Federal.
3. Ensure that the data on the survey plat corresponds with data on the Application for Permit to Drill.
4. The survey plat should be 1" = 1000' scale to facilitate consistency of review.
5. Investigate the possibility of special well spacing considerations for the proposed well site and if uncertain as to any well spacing requirements, please contact the Division prior to submitting the application.
6. If the well is part of a State or Federal Unit Agreement, identify the Unit on the application submittal.
7. If drilling operations are not commenced within six (6) months following approval of an application, please advise the Division of your future drilling intentions.
8. A ten (10) point drilling program should be submitted with each application.

OPERATING AGREEMENTS

If there is more than one working interest in the drilling unit, the remarks section of the Application for Permit to Drill shall include a statement that an AFE or other suitable notification of intent to drill has been directed to each working interest in the drilling unit, and that an operating agreement is being considered.

ADEQUATE AND APPROVED SOURCE OF WATER

Spudding shall not commence until the operator has provided this office a copy of the Utah Division of Water Rights (telephone 801-533-6071) approval for use of water at the drilling site.

BONDING REQUIREMENTS

The operator, as identified on the Application for Permit to Drill, must provide an appropriate bond prior to receiving final approval to drill. If you are uncertain as to the bonding requirements for a particular lease, please contact the Division prior to submitting an application to drill.

REPORTS

There are field reporting responsibilities associated with an approved permit to drill, and one of the reasons for posting bond is to ensure that the reports are submitted as required:

SPUDDING REPORT - Telephonically within 24 hours and a written follow-up within 30 days.

MONTHLY DRILLING AND PRODUCTION REPORTS - Not later than the 30th day of each succeeding month, starting with spud date.

COMPLETION REPORT - Not later than 90 days after completion, including copies of electric logs, formation tops, etc.

CHANGE OF PLANS - Any change of approved plans must receive prior approval by this agency. In emergency situations, verbal approval may be given, but written request (for the record) must follow within 30 days.

There are other reporting requirements, and you will want to study current regulations published by the Agency.

API NUMBERS

Once an Application for Permit to Drill has been approved and has received an API Number, all reports and correspondence referring to the well or its location must include the number.

USE OF A SINGLE FORM TO REPORT INFORMATION FOR MORE THAN ONE WELL

1. Since physical files are maintained for each well, please send a copy for each well file.
2. Do not mix information which is classified as "Confidential" with other reported information.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
1588 West North Temple
Salt Lake City, Utah 84116

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number _____

Operator _____ Address _____

Contractor _____ Address _____

Location $\frac{1}{4}$ $\frac{1}{4}$ Sec. _____ T. _____ R. _____ County _____

Water Sands

<u>Depth</u>		<u>Volume</u>	<u>Quality</u>
From	To	Flow Rate or Head	Fresh or Salty
1.	_____	_____	_____
2.	_____	_____	_____
3.	_____	_____	_____
4.	_____	_____	_____
5.	_____	_____	_____

(Continue on reverse side if necessary)

Formation Tops

Remarks

- NOTE: (a) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure.
- (b) If a water analysis has been made of the above reported zone, please forward a copy along with this form.

UNITED STATES
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DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☒

OTHER

SINGLE
ZONE ☐MULTIPLE
ZONE ☐

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Marathon Oil Company

3. ADDRESS OF OPERATOR

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24.

SIGNED Robert H. Thayer FOR D.L.
JONES

TITLE District Operations Manager DATE 10/31/83

(This space for Federal or State office use)

PERMIT NO. _____

APPROVAL DATE _____

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

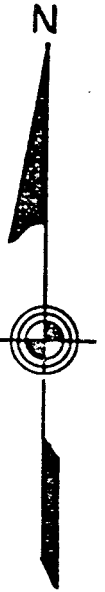
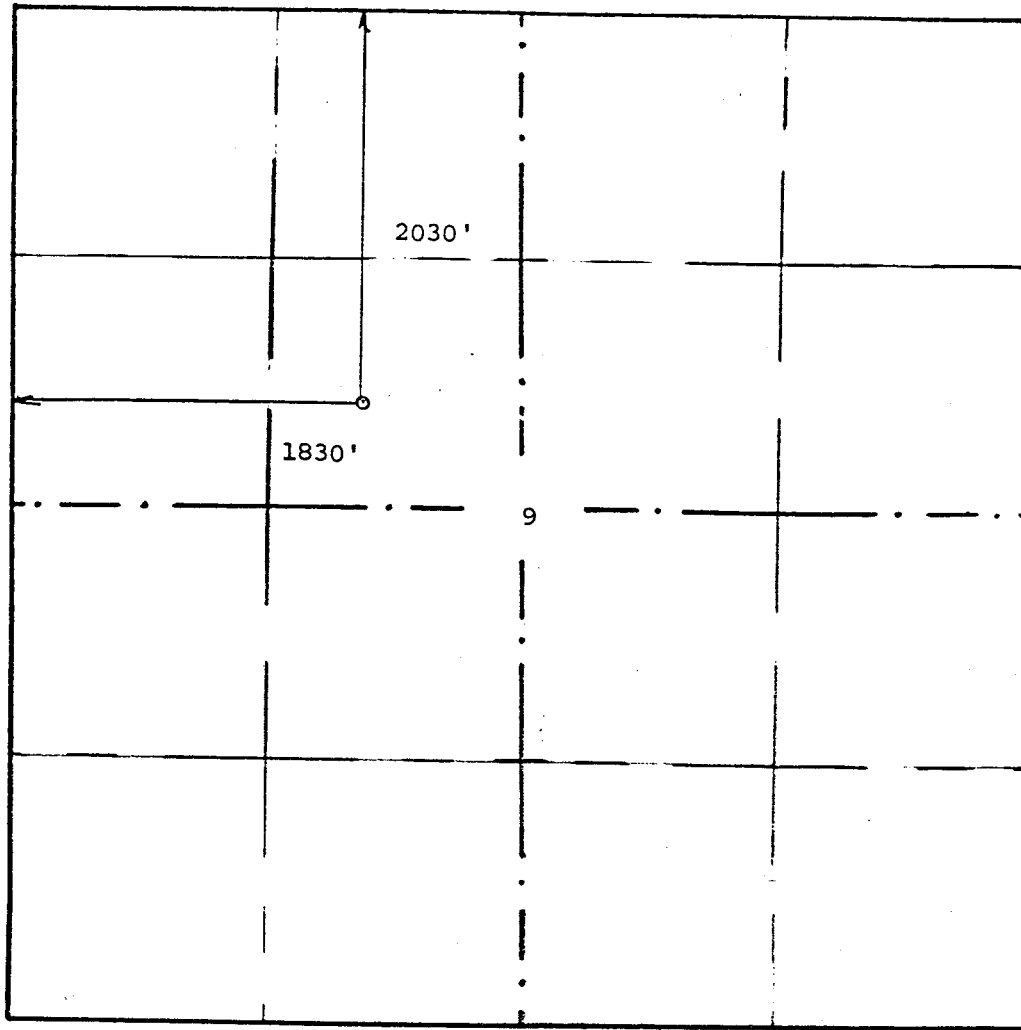
*See Instructions On Reverse Side

11-2-83
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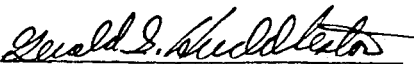


POWERS ELEVATION

Well Location Plat



1"=1000'

Operator Marathon Oil Company		Well name Tank Canyon #1-9 U51275	
Section 9	Township 37S	Range 24E	Meridian SLM
Footages 2030FN 1830 FW		References: 300' N68°E 5227' 300' S68°W 5237'	County/State San Juan Utah
Elevation 5219	Requested by Walt West		CONFIDENTIAL
The above plat is true and correct to the best of my knowledge and belief.			
10/27/83		 Gerald G. Huddleston, L.S.	



POWERS ELEVATION

OIL WELL ELEVATIONS — LOCATIONS
ENVIRONMENTAL — ARCHAEOLOGICAL SERVICES
600 SOUTH CHERRY STREET, SUITE 1201
DENVER, COLORADO 80222
PHONE NO. 303/321-2217

October 27, 1983

Access Directions

McCracken Springs #1-31 (U-51846)

The distance from Hatch Trading Post is 11.1 miles from HTP go 6.6 miles Northerly on CR 446 and CR246 to Y intersection; go westerly on Alkali ridge road 2.8 to power line; go NW'erly 1.9 miles to beginning proposed access. Flagged red and yellow.

Tank Canyon #1-9 (U-51275)

The distance from Hatch Trading Post is 19.8 miles. From HTP go Northerly on CR446, CR246 and CR146 18.6 miles; take Bradford Canyon road 1.2 miles westerly to location.

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MARATHON OIL COMPANY
DRILLING OPERATIONS PLAN

DATE: October 31, 1983

WELL NAME: Tank Canyon #1-9

LOCATION: 2030' FNL & 1830' FWL, Sec. 9, T37S, R24E, San Juan County, Utah

1. Geologic name of the surface formation:

Jurassic Morrison Formation

2. Estimated tops of important geological markers:

<u>Formation</u>	<u>Depth (K.B.)</u>	<u>Datum</u>
Navajo	739'	(+4,855)
Wingate	1,349'	(+4,245)
Chinle	1,999'	(+3,995)
Shinarump	2,399'	(+3,195)
Meonkopi	2,444	(+3,150)
Cutler	2,499'	(+3,095)
Honaker Trail	4,549'	(+1,045)
Paradox	5,449'	(+ 145)
Upper Ismay	5,634'	(- 40)
Desert Creek	5,899'	(- 305)
Akah	6,009'	(- 415)
P.T.D.*	6,020'	(- 426)

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*If significant hydrocarbon shows are encountered prior to reaching the Akah Formation, the well will be drilled to a T.D. of approximately 6,000'.

3. Estimated depths at which oil, water, gas or other mineral bearing formations are expected to be encountered:

<u>Formation</u>	<u>Depth</u>	<u>Possible Content</u>
Cutler	2,499'	Water
Upper Ismay	5,634'	Oil and Gas
Desert Creek	5,899'	Oil and Gas

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4. The Proposed Casing Program:

Casing Design

CASING STRING	HOLE SIZE	INTERVAL	SECTION LENGTH	SIZE (OD)	WEIGHT, GRADE AND JOINT	NEW OR USED	MUD WEIGHT	1,000# TENSION LOAD	SF _t	SF _c	SF _b
Conductor	20"	0 - 60'	60'	16"	Thinwall Steel	New	8.5				
Surface	12-1/4"	0 - 1500'	1500'	9-5/8"	36#, K-55 STC	New	8.5	54	7.83	2.24	1.74
Production	8-3/4"	0 - 6020'	6020'	7"	26#, K-55 LTC	New	9.0	129	3.11	1.21	2.45

Cement Program:

9-5/8" Casing

Lead Slurry: $1,000' \times .3132 \text{ ft}^3/\text{ft} \times 2.0 \text{ excess} = 626 \text{ ft}^3 = 340 \text{ sx}$. "Light" cement with 1/4#/sack cellophane flakes and 2% CaCl_2 .

Weight: 12.7 ppg

Yield: $1.84 \text{ ft}^3/\text{sk}$

Water Requirement: 9.9 gal/sk

Tail Slurry: $500' \times .3132 \text{ ft}^3/\text{ft} \times 2.0 \text{ excess} = 313 \text{ ft}^3 = 265 \text{ sx}$. Class "B" cement with 1/4#/sack cellophane flakes and 2% CaCl_2 .

Weight: 15.6 ppg

Yield: $1.18 \text{ ft}^3/\text{sk}$

Water Requirement: 5.2 gal/sk

Casing equipment will include a float shoe, insert float valve and 3 centralizers. WOC time will be a minimum of 6 hours.

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7" Casing

Lead Slurry: $3,620 \times .1503 \text{ ft}^3/\text{ft} \times 25\% \text{ excess from logs} + 680 \text{ ft}^3 = 370 \text{ sx.}$ "Light" cement with 1% fluid loss additive.

Weight: 12.7 ppg

Yield: $1.84 \text{ ft}^3/\text{sk}$

Water Requirement: 9.9 gal/sk

Tail Slurry: $1,000 \times .1503 \text{ ft}^3/\text{ft} \times 25\% \text{ excess from logs} + 188 \text{ ft}^3 = 160 \text{ sx.}$ Class "B" cement with 1% fluid loss additive.

Weight: 15.6 ppg

Yield: $1.18 \text{ ft}^3/\text{sk}$

Water Requirement: 5.2 gal/sk

Casing equipment will include a float shoe, float collar and 10 centralizers.

5. Pressure Control Equipment:

B.O.P equipment will include a double ram type preventer with pipe and blind rams and an annular preventer. All equipment will have a 3000 psi or better working pressure. Rams, annular preventer, valves, lines, choke manifold and surface casing will be tested to 200 psi for 5 minutes and to 2500 psi for 15 minutes. The pipe rams will be function tested daily and the blind rams will be function tested on trips. After drill out the 9-5/8" casing shoe will be tested to 13.0#/gal or leak off.

6. Drilling Mud Program:

<u>From</u>	<u>To</u>	<u>Type Mud</u>	<u>Weight</u>	<u>% Oil</u>	<u>Water Loss</u>
0'	1,500'	Spud	8.5	0	No Control
1,500'*	5,000'	Water w/Gel Sweeps	8.5	0	No Control
5,000'	T.D.	LSND	9.0	0	Less than 10 cc's

*Water flows in the area may necessitate mudding up at any time before 5,000'. Sufficient barite should be on location to increase mud weight to 11.7#/gal if required.

7. Auxiliary Equipment Required:

A drilling rate recorder which can record drilling time for each one foot interval will be used.

A desander and desilter will be used.

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A gas buster and a manual adjustable choke will be used.

A bit retrievable casinghead wear bushing will be used and checked for wear weekly.

A kelly cock will be used and a full opening safety valve will be available on the rig floor.

A single shot drift indicator will be used.

Deviation Control:

<u>From</u>	<u>To</u>	<u>Maximum Distance Between Surveys</u>	<u>Maximum Deviation From Vertical</u>	<u>Maximum Change Per 100' of Depth</u>
0'	1,500'	250'	1°	1°
1,500'	T.D.	500'	5°	1°

Deviation problems are not expected, formation dips should be 5° or less.

8. Testing, Logging, Coring and Fracing Program:

Samples will be taken at 10' intervals from the surface casing shoe to T.D. by a two man mud logging crew.

3 DST's are expected in the Upper Ismay and Desert Creek Formations.

300' of core will be cut in the Upper Ismay and Desert Creek Formations.

The logging program will be as follows:

1. DIL/SFL/GR from T.D. to surface casing shoe with GR pulled to surface.
2. BHC Sonic/GR from T.D. to surface casing shoe.
3. FDC/CNL/GR from T.D. to surface casing shoe.
4. Dipmeter from T.D. to 5,300'. A Cyberlook from T.D. to the top of Honaker Trail.

Fracing Program:

If necessary, acid stimulate.

9. Abnormal Conditions:

Pressured salt water flows may be encountered anytime below the surface casing shoe. Mud weights of up to 11.7 ppg may be needed to control these flows.

Maximum anticipated bottom hole pressure is 2650 psi.

Maximum anticipated bottom hole temperature is 140°F.

10. Anticipated starting date and duration:

Starting Date: November 15, 1983

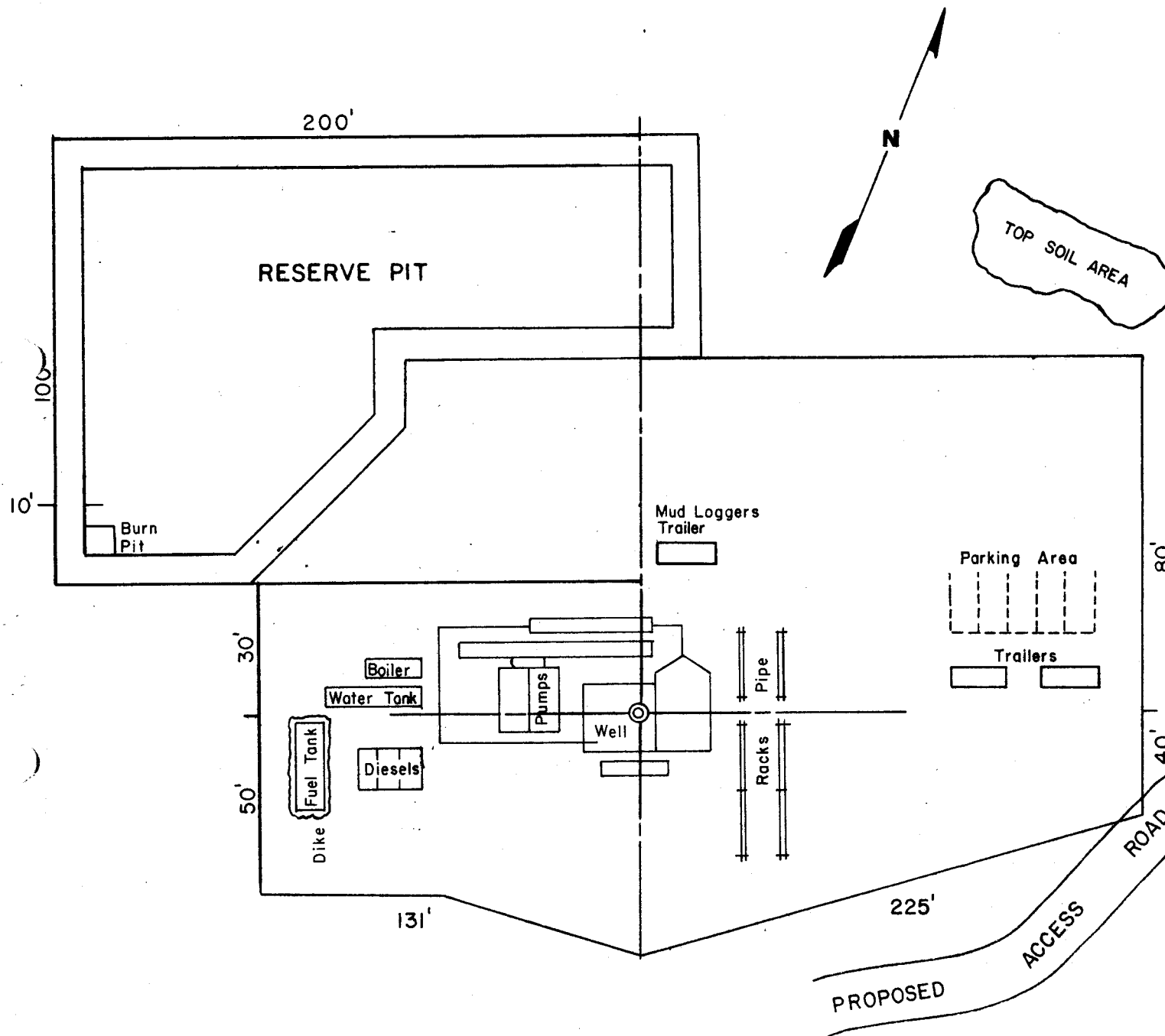
Duration: 31 Days

Name Gary A. Newberry / AG

Title Drilling Superintendent

Date 10-31-83

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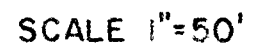


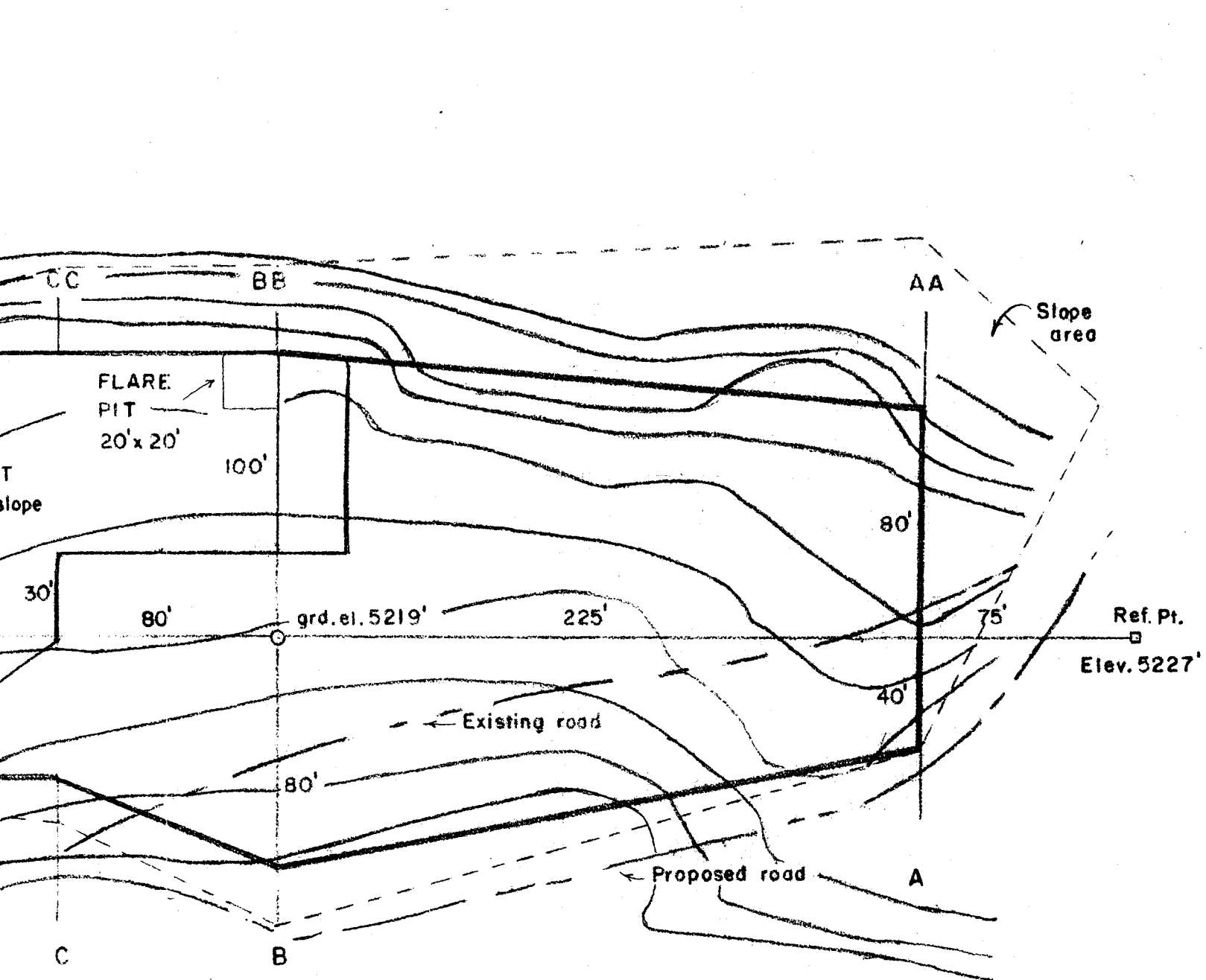
SCHEMATIC of RIG LAYOUT

PROPOSED
DIAGRAM C

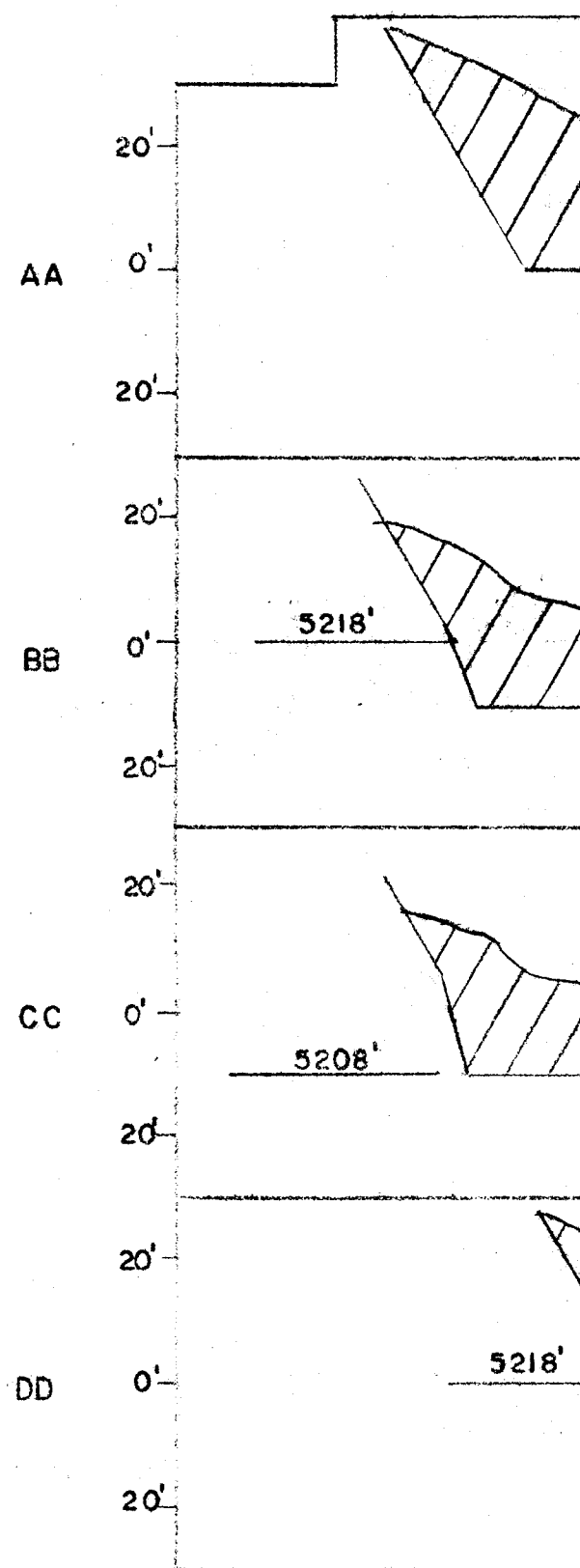
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Tank Canyon #1-9
Fed. U-51275
SE NW Sec. 9, T 37 S R 24 E
2030 FNL & 1830 FWL
San Juan Co., Utah





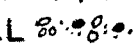
SCALE 1"=50'

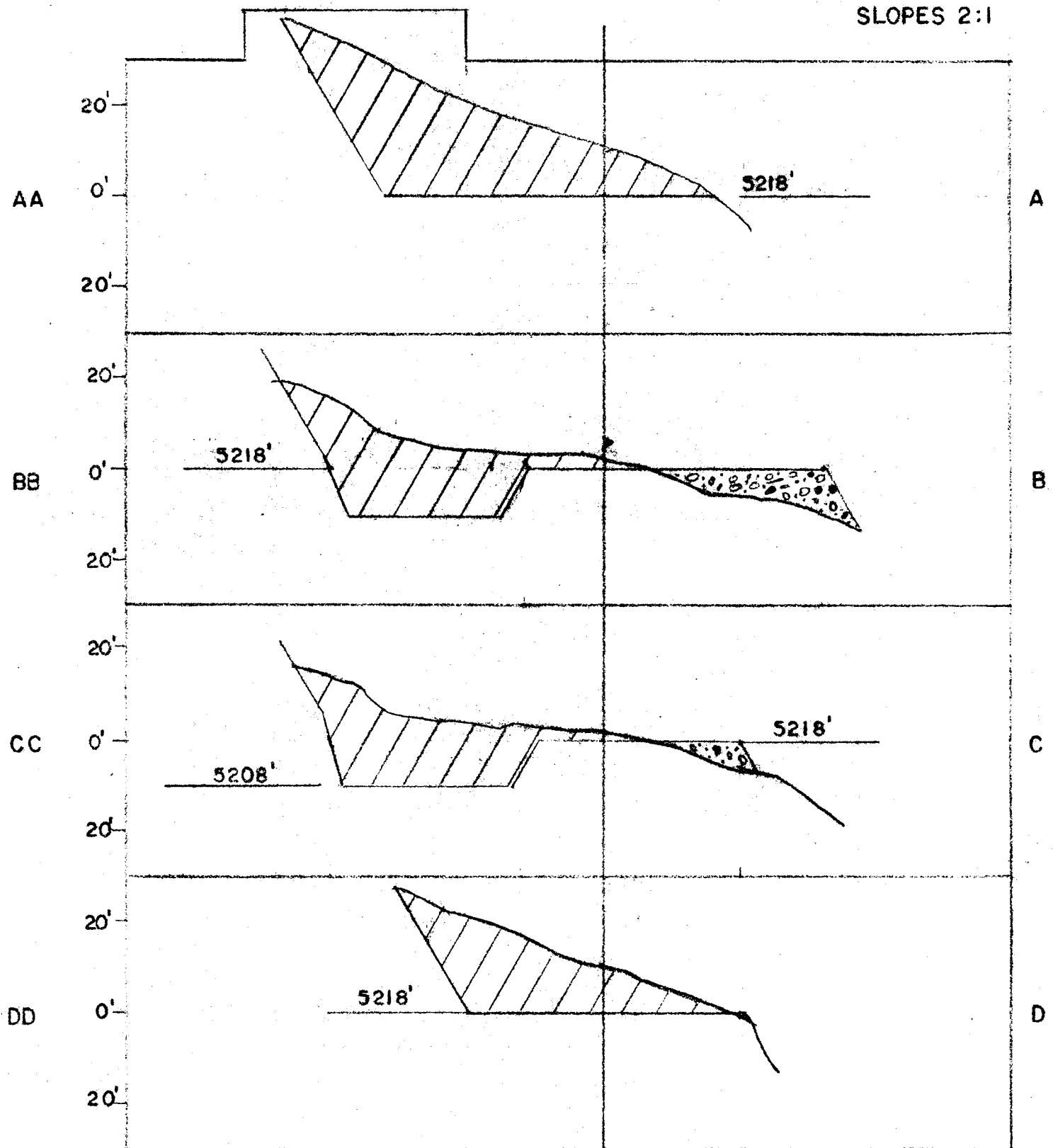
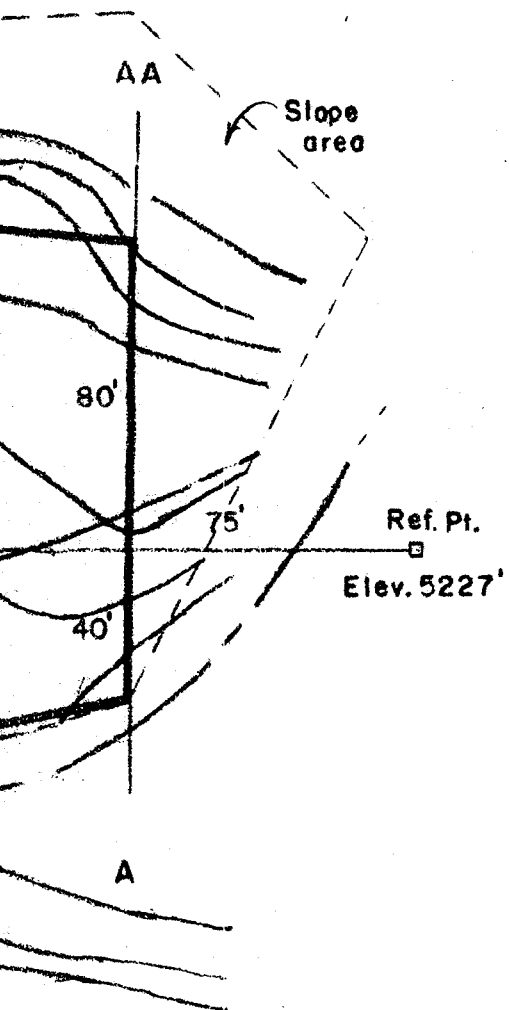


± 32,450 CU.YDS.CUT
 ± 2,750 CU.YDS.FILL
 ± 16,400 CU.YDS.WAST
 ± 2,600 CU.YDS.TOPSO

DIAGRAM B'

CROSS SECTION
 SCALES: 1"=50' H., 1"=30' V.

CUT ////
 FILL 
 SLOPES 2:1



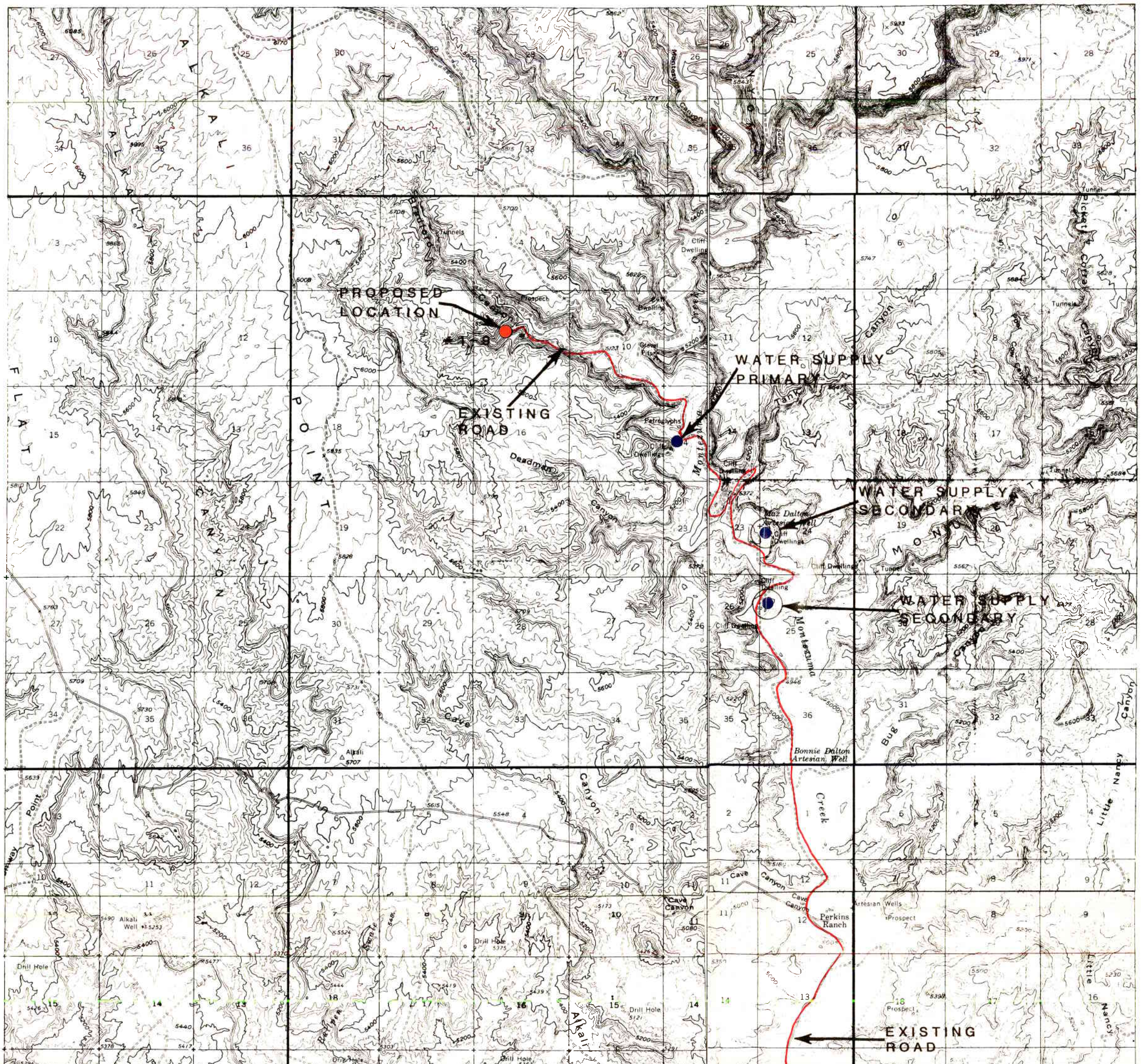
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DIAGRAM B'

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MARATHON OIL COMPANY
 WELL SITE PLAN
 TANK CANYON #1-9 FED U-51275
 2030' FNL & 1830' FWL
 SEC. 9, T.37S, R.24E

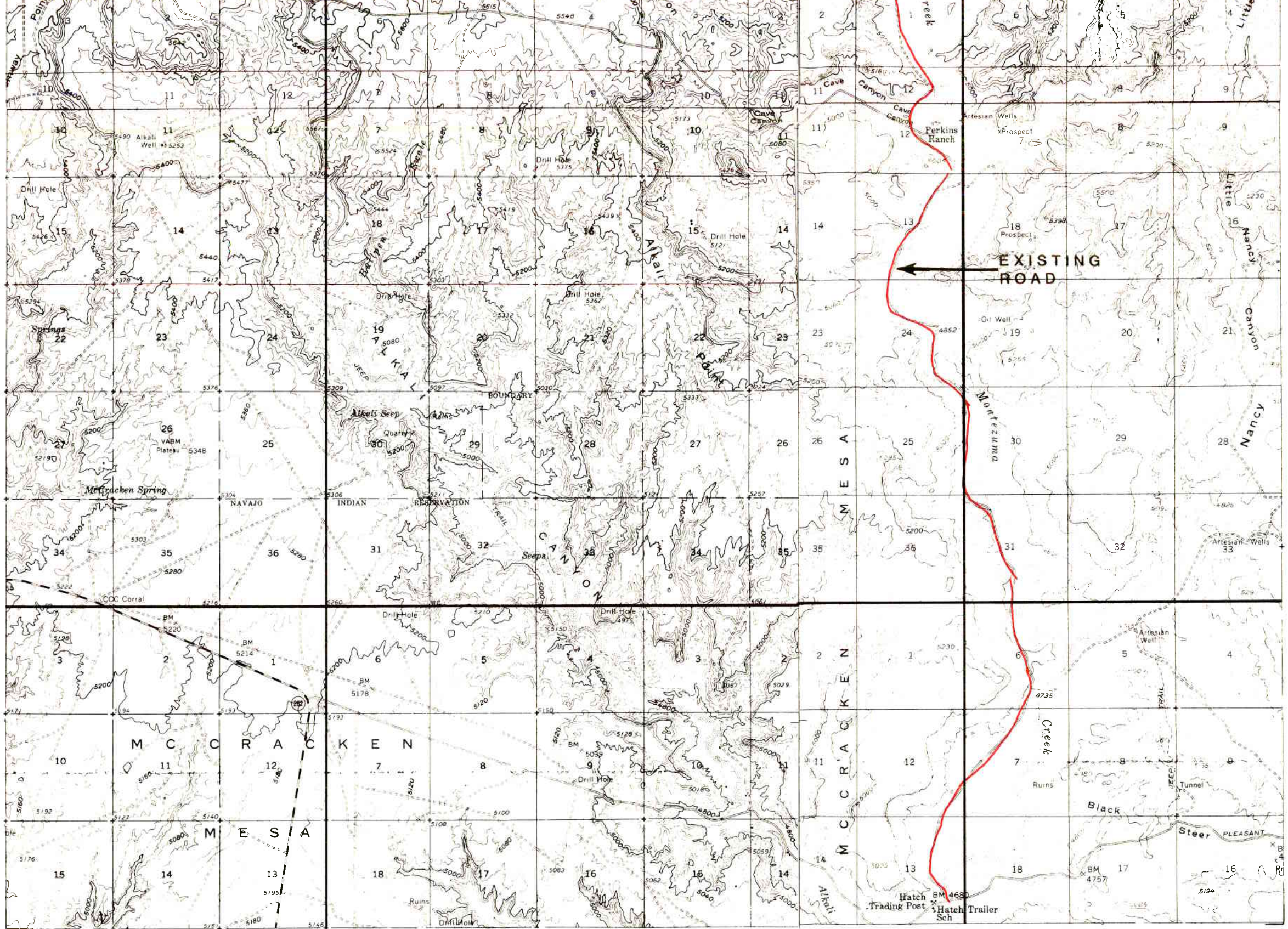
BY G. HUDDLESTON, L.S.



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MARATHON OIL COMPANY
TANK CANYON

WELL # 1-9
2030' FNL & 1830' FWL
SEC. 9, T37S, R24E
SAN JUAN CO., UTAH

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DIAGRAM



SECTION PLAT SHEET

OWNER Marathon

DATE 6/26/83

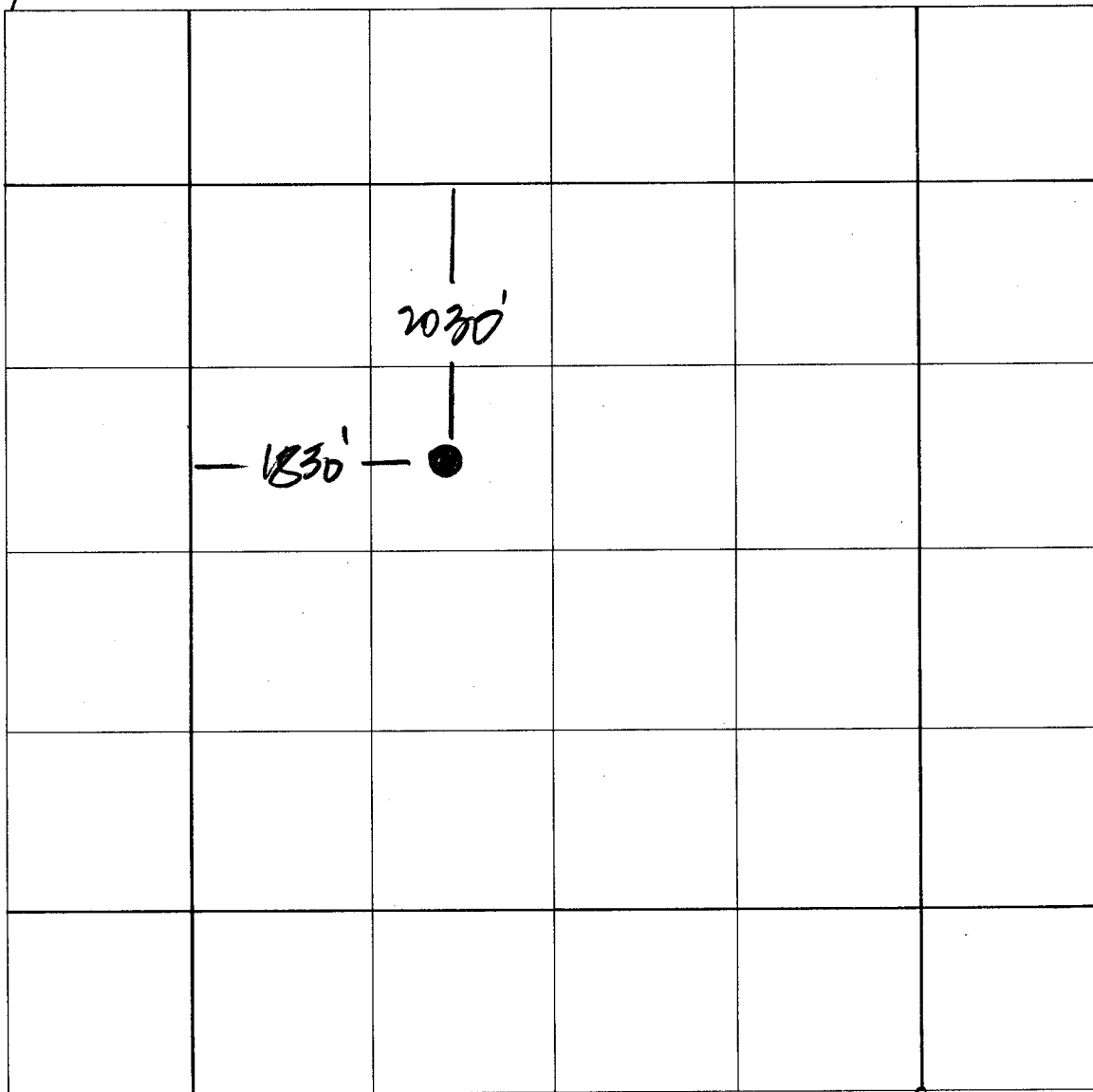
SECTION 9 TOWNSHIP 37S

RANGE 24E

COUNTY San Juan

STATE

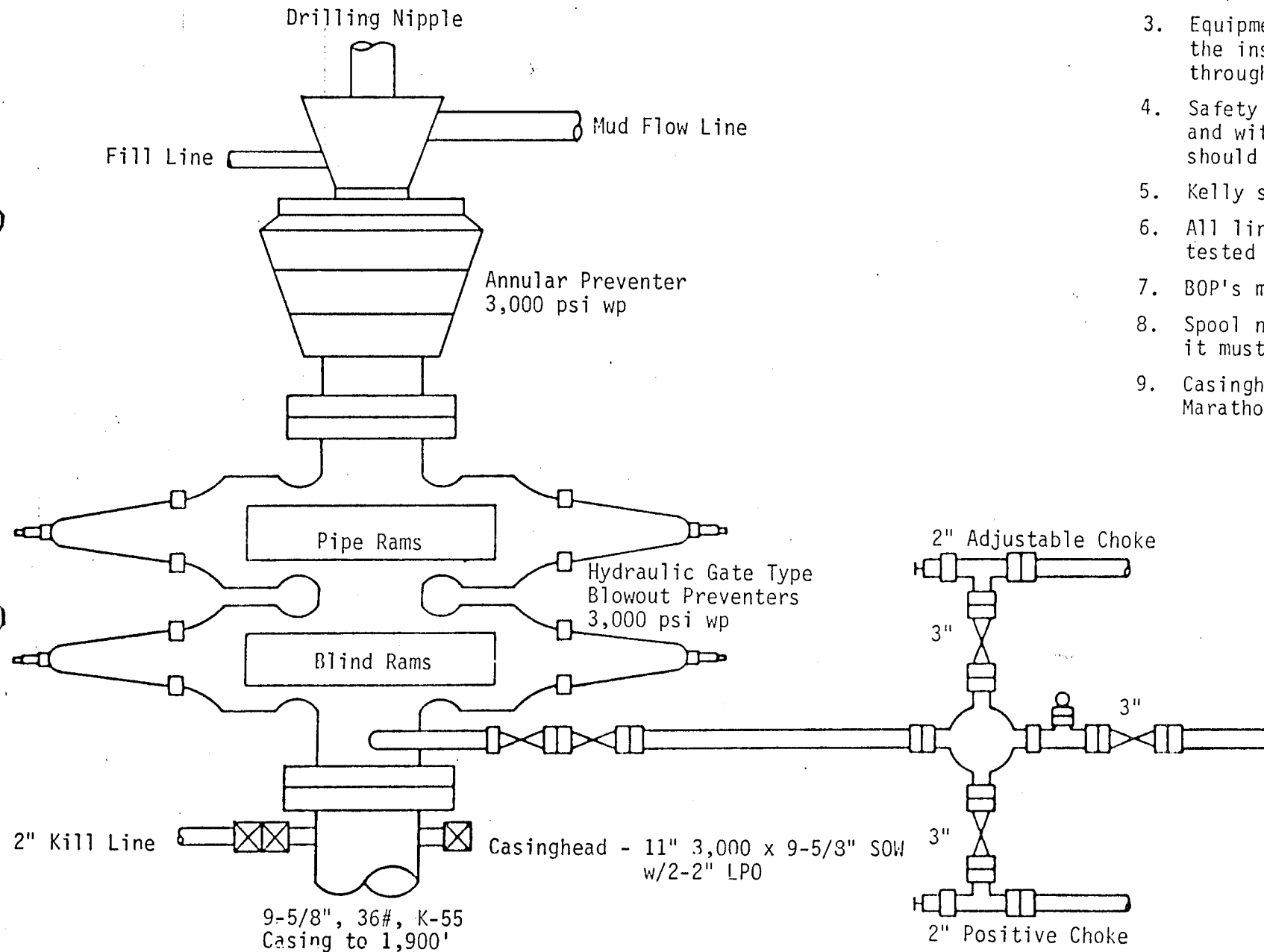
SCALE 1" = 1320'



	31					36	
1	6					1	6
36	31					36	31
	6					1	

C-3 > 500' fl lease or
subdivision line

CONFIDENTIAL



1. Blowout preventers, master valve, plug valve and all fittings must be in good condition. Use new API Seal Rings.
2. All fittings (gates, valves, etc.) to be of equivalent pressure rating as preventers. Valves to be flanged and at least 2" unless otherwise specified. Valves next to BOP to be plug type and nominal 3".
3. Equipment through which bit must pass shall be as large as the inside diameter of the casing that is being drilled through.
4. Safety valve must be available on rig floor at all times and with proper connections. The I.D. of safety valves should be as great as I.D. of tool joints on drill pipe.
5. Kelly safety valve installed, same working pressure as BOP's.
6. All lines and controls to preventers must be connected and tested before drilling out of surface pipe.
7. BOP's must be fluid operated, complete with accumulator.
8. Spool not required, but when side outlet on BOP's is used, it must be below bottom ram.
9. Casinghead and casinghead fittings to be furnished by Marathon Oil Company.

MARATHON OIL COMPANY
SURFACE USE & OPERATIONS PLAN

DATE: October 31, 1983

WELL NAME: Tank Canyon #1-9

LOCATION: 2030' FNL & 1830' FWL, Sec. 9, T37S, R24E, San Juan County, Utah

#1 Existing Roads:

- A. Proposed well site as staked. (Actual staking should include two each 200-foot directional reference stakes).

See Survey Plat.

- B. Route and distance from nearest town and locatable reference point to where well access route leaves main road.

19.8 miles northwest of Hatch Trading Post, Utah. See map Diagram "A" color coded red.

- C. Access road(s) to location color-coded or labeled.

Please see Diagram "B".

- D. If exploratory well, all existing roads within a 3-mile radius (including type of surface, conditions, etc.).

See Diagram "A".

- E. If development well, all existing roads within a 1-mile radius of well site.

Not applicable.

- F. Plans for improvement and/or maintenance of existing roads.

Blade work on existing roads. All work will be to BLM stipulations.

#2 Planned Access Roads:

Map showing all necessary access roads to be constructed or reconstructed, showing:

- (1) Width: 18'

- (2) Maximum grades: 5%

- (3) Turnout: none

- (4) Drainage design: Ditched and crowned, trailer ditches where needed.

- (5) Location and size of culverts and brief description of any major cuts and fills.

None planned.

- (6) Surfacing material

Will be purchased by our contractor, Howard Hughes.

- (7) Necessary gates, cattleguards, or fence cuts.

none

- (8) (New or reconstructed roads are to be center-line flagged at time of location staking).

All construction will be to BLM Class III construction, and San Juan County Standards Class "B".

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#3 Location of Existing Wells:

Two-mile radius map if exploratory, or 1-mile radius map if development well, showing and identifying existing:

- (1) Water wells: none
- (2) Abandoned wells: none
- (3) Temporary abandoned wells: none
- (4) Disposal wells: none
- (5) Drilling wells: none
- (6) Producing wells: none
- (7) Shut-in wells: none
- (8) Injection wells: none
- (9) Monitoring or observation wells for other resources: none

#4 Location of Existing and/or Proposed Facilities:

A. Within 1-mile radius of location show the following existing facilities owned or controlled by lessee/operator:

- (1) Tank Batteries: none
- (2) Production Facilities: none
- (3) Gathering Lines: none
- (4) Gas Gathering Lines: none
- (5) Injection Lines (Indicate if any of the above lines are buried).
none
- (6) Disposal Lines: none

B. If new facilities are contemplated, in the event of production, show:

- (1) Proposed location and attendant lines by flagging if off of well pad.

In the event this Wildcat is commercial production, separate APD for production facilities will be submitted.

- (2) Dimensions of Facilities

See above.

- (3) Construction methods and materials:

All construction would be to Class III, BLM standards.

- (4) Protective measures and devices to protect livestock and wildlife.

Woven wire fences of the pit area.

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- C. Plans for rehabilitation of disturbed areas no longer needed for operations after construction completed.

Drill site area will be reshaped to conform with the topography. Top soil will be distributed at the proper time. Disturbed areas scarified with contours to a depth of 6" to 8". Seed will be broadcast, as per BLM recommendation.

#5 Location and Type of Water Supply:

- A. Show location and type of water supply either on map or by written description.

Primary: Montezuma Creek, N/2 SW, Sec. 14, T37S, R24E, San Juan County, Utah

Secondary: Pond on property of Max Dalton, Sec. 24, T37S, R24E, San Juan County, Utah. Artesian well, Sec. 25, T37S, R24E, San Juan County, Utah.

All permits have been applied for, 10/31/83.

- B. State method of transporting water, and show any roads or pipelines needed.

Existing roads and access road will be used to haul water to the location.

- C. If water well is to be drilled on lease, so state. (No APD for water well necessary, however, unless it will penetrate potential hydrocarbon horizons).

No water well will be drilled.

#6 Source of Construction Materials:

- A. Show information either on map or by written description.

Construction materials will be native soils.

- B. Identify if from Federal or Indian Land.

none

- C. Describe where materials, such as sand, gravel, stone and soil material are to be obtained and used.

Any needed materials will be discussed with Mr. Bob Turri or Mr. Brian Wood of BLM, Monticello, Utah.

- D. Show any needed access roads crossing Federal or Indian Lands under Item 2.

none

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#7 Methods of Handling Waste Disposal:

Describe methods and location of proposed containment and disposal of waste material, including:

- (1) Cuttings: Reserve Pit
- (2) Drilling fluids: Reserve Pit
- (3) Produced fluids (oil, water) Swab Tanks
- (4) Sewage: Porta Pot

#7 Methods of Handling Waste Disposal: (cont'd)

- (5) Garbage and other waste material (trash pits will be completely contained with small mesh wire to prevent wind scattering trash before being burned or buried).

There will be a 10' x 10' burn pit on the drill site and it will be woven wire fenced.

- (6) Statement regarding proper cleanup of well site area when rig moves out.

Surrounding area will be cleaned up and all burnable materials will be put in the burn pit and burned. Non-burnable debris will be hauled to a local dump site, designated by BLM. Burn permit will be obtained from a state fire warden, John Baker.

#8 Ancillary Facilities:

Identify all proposed camps and airstrips on a map as to their location, area required and construction methods. (Camp center and airstrip center lines to be staked on the ground).

none

#9 Wellsite Layout:

A plat (not less than 1" = 50') showing:

- (1) Cross sections of drill pad with cuts and fills.

See Diagram "B"

- (2) Location of mud tanks, reserve, burn and trash pits, pipe racks, living facilities and soil material stockpiles.

See Diagram "C"

- (3) Rig orientation, parking areas and access roads.

See Diagram "C"

- (4) Statement as to whether pits are to be lined or unlined. (Approval as used in this section means field approval of location. All necessary staking of facilities may be done at time of field inspection). A registered surveyor is not mandatory for such operations.

The pit will be lined with commercial bentonite sufficient to prevent seepage. Pit will be in total cut.

#10 Plans for Restoration of Surface

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State restoration program upon completion of operations, including:

- (1) Backfilling, leveling, contouring and waste disposal, segregation of spoils materials as needed.

The drill site will be cleaned and waste material put in trash burn pit, which will be covered at the finish of the drilling operation. Reserve pit will be backfilled as soon as it is dry.

#10 Plans for Restoration of Surface (cont'd):

- (2) Revetation and rehabilitation - including access roads (normally per BLM recommendations).

The top soil will be distributed and at the proper season, the following BLM seed requirements will be broadcast planted:

2 lbs./acre Indian Ricegrass	2 lbs./acre Fourwing Saltbush
1 lb./acre Curleygrass	2 lbs./acre Shadscale
1 lb./acre Alkali Sacaton	2 lb./acre Wild Sunflower

Trees will be scattered evenly over the disturbed areas and walked down with a dozer.

- (3) Prior to rig release, pits will be fenced and so maintained until cleanup.

The reserve pit will be fenced on three (3) sides during drilling; at the completions of drilling all pits, they will be fenced on the one remaining side.

- (4) If oil on pit, remove oil or install overhead flagging.

If there is oil on the reserve pit, it will be removed or flagged with overhead flagging.

- (5) Timetable for commencement and completion of rehabilitation operations.

Depending upon climatic conditions, restoration should be completed from six months to one year after abandoning well.

#11 Other Information:

General Description of:

- (1) Topography, soil characteristics, geologic features, flora and fauna.

Sagebrush, scrub cedars, rock formations occasionally dissected by light to heavy drainage features. Deer, rabbits, fox, small rodents, cattle, and sheep.

- (2) Other surface use activities and surface ownership of all involved lands.

Access road and drill site are owned by U.S. Government. Surface facilities will be painted Federal Std. #30318, Badlands Brown.

- (3) Proximity of water, occupied dwellings, archeological, historical or cultural sites.

There is no water or occupied dwellings in the area. Archaeology was performed by LaPlata Archeological Consultants, Inc, Doloris, Colorado, and Monticello, Utah.

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#12 Lessee's or Operator's Representative:

Gary A. Newberry, Marathon Oil Company, PO Box 2659, Casper WY 82602.
Office: (307) 577-1555
Home: (307) 235-1325

- #13 Certification: The following statement is to be incorporated in the plan and must be signed by the lessee's or operator's field representative who is identified in item No. 12 of the plan:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Marathon Oil Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

OCT. 31, 1983 Art. Guthrie / FOR GARY NEWBERRY
Date Name

Drilling Superintendent

CONFIDENTIAL



**Marathon
Oil Company**

P.O. Box 2659
Casper, Wyoming 82602
Telephone 307/577-1555

October 31, 1983

Bureau of Land Management
Attn: Mr. Edward Scherick
PO Box 7
480 S. 1st West
Monticello UT 84535

Re: Montezuma Canyon Deer Winter Range

Dear Mr. Scherick:

During the drilling of Tank Canyon #1-9, all Marathon Oil Company employees and all employees of contractors and subcontractors will be advised that no firearms, traps, snares, bows, bow guns, or other devices to catch, trap, hold, or kill any game, wildlife, or birds will be allowed on, about, or around the well location or to and from the wellsite; also, no dogs, hunting animals, birds of prey, or the harassment of any domestic animals will be allowed.

I also want to thank you for your efforts in coordinating our approach with the Fish and Game people.

Very truly yours,

Robert L. Jones FOR D.L. JONES

Doyle L. Jones
District Operations Manager

CONFIDENTIAL

DLJ:WEW:sw

cc: Brian Wood
Bob Turri

NOTICE

To all company employees, contractors, and subcontractors:

Re: Montezuma Deer Winter Range

During the period of activity connected with the drilling and completion of Tank Canyon #1-9, including all of Sections 4, 9, 21, 28, 33, and all Sections to the east of these sections, in Township T37S, R24E, San Juan County, Utah, the following conditions will prevail:

1. No dogs, hunting animals, or birds of prey will be allowed in this area.
2. No traps, snares, bows, bow guns, or other devices designed to catch, trap, hold, or kill any game, wildlife, or birds will be allowed.
3. Firearms will be dismantled, or trigger plugs installed, so that they will be incapable of use while in the designated area.
4. No action will be taken that can be construed as harassment of wildlife or domestic animals.

No exception to the above rules will be allowed by Marathon Oil Company. If exceptions are to be granted, it must be in writing from Bureau of Land Management, Area Manager, Mr. Edward Scherick.

Robert DeThorne 10/31/83
FOR D. L. JONES
CASPER DISTRICT
OPERATIONS MANAGER
CONFIDENTIAL

SUPERVISOR, OIL AND GAS OPERATIONS:

DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of oil and gas lease

DISTRICT LAND OFFICE: 136 E. South Temple, Salt Lake City, Utah 84111
SERIAL NO.: U-51275

and hereby designates

NAME: Marathon Oil Company
ADDRESS: P.O. Box 2659
Casper, Wyoming 82602

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Oil and Gas Operating Regulations with respect to (describe acreage to which this designation is applicable):

Township 37 South - Range 24 East
Section 9: N $\frac{1}{2}$, SW $\frac{1}{4}$
San Juan County, Utah

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Oil and Gas Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the oil and gas supervisor of any change in the designated operator.

DUNCAN EXPLORATION COMPANY

BY: 

(Signature of lessee)

Raymond T. Duncan

1777 S. Harrison Street

(Address)

Penthouse One
Denver, Colorado 80210

October 20, 1983

(Date)

CONFIDENTIAL

SUPERVISOR, OIL AND GAS OPERATIONS:

DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of oil and gas lease

DISTRICT LAND OFFICE: 136 E. South Temple, Salt Lake City, Utah 84111
SERIAL NO.: U-51275

and hereby designates

NAME: Marathon Oil Company
ADDRESS: P.O. Box 2659
Casper, Wyoming 82602

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Oil and Gas Operating Regulations with respect to (describe acreage to which this designation is applicable):

Township 37 South - Range 24 East
Section 9: N $\frac{1}{2}$, SW $\frac{1}{4}$
San Juan County, Utah

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In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the oil and gas supervisor of any change in the designated operator.

October 20, 1983

(Date)

Vincent J. Duncan
(Signature of lessee)

Vincent J. Duncan
1777 South Harrison, Penthouse One
Denver, Colorado 80210

(Address)

CONFIDENTIAL

SUPERVISOR, OIL AND GAS OPERATIONS:

DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of oil and gas lease

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and hereby designates

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Casper, Wyoming 82602

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Township 37 South - Range 24 East
Section 9: N $\frac{1}{2}$, SW $\frac{1}{4}$
San Juan County, Utah

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DUNCAN EXPLORATION COMPANY

BY: 

(Signature of lessee)

Raymond T. Duncan

1777 S. Harrison Street

(Address)

Penthouse One
Denver, Colorado 80210

October 20, 1983

(Date)

CONFIDENTIAL

SUPERVISOR, OIL AND GAS OPERATIONS:

DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of oil and gas lease

DISTRICT LAND OFFICE: 136 E. South Temple, Salt Lake City, Utah 84111
SERIAL NO.: U-51275

and hereby designates

NAME: Marathon Oil Company
ADDRESS: P.O. Box 2659
Casper, Wyoming 82602

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Oil and Gas Operating Regulations with respect to (describe acreage to which this designation is applicable):

Township 37 South - Range 24 East
Section 9: N $\frac{1}{2}$, SW $\frac{1}{4}$
San Juan County, Utah

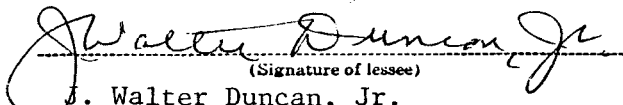
It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Oil and Gas Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the oil and gas supervisor of any change in the designated operator.

October 20, 1983

(Date)


(Signature of lessee)
J. Walter Duncan, Jr.
100 Park Avenue, Suite 1204
Oklahoma City, Oklahoma 73102
(Address)

CONFIDENTIAL

DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of lease

DISTRICT LAND OFFICE: Salt Lake City, Utah
SERIAL No.: U-51275

and hereby designates

NAME: Marathon Oil Company
ADDRESS: P. O. Box 2659
Casper, WY 82602

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Operating Regulations with respect to (describe acreage to which this designation is applicable):

Township 37 South, Range 24 East, SLM


Section 9: N/2, SW/4

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the supervisor of any change in the designated operator.

TRICENTROL RESOURCES INC.


(Signature of lessee)

5675 S. Tamarac Parkway, Suite 200
Englewood, CO 80111

October 21, 1983

(Date)

(Address)

CONFIDENTIAL

DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of lease

DISTRICT LAND OFFICE: Moab, Utah
SERIAL No.: U-51275

and hereby designates

NAME: Marathon Oil Company
ADDRESS: Post Office Box 2659
Casper, Wyoming

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Operating Regulations with respect to (describe acreage to which this designation is applicable):

T37S-R24E
Section 9: NW/4
San Juan County, Utah

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the supervisor of any change in the designated operator.

DORCHESTER EXPLORATION, INC.

By: Charles K. Popkess
(Signature of lessee)
Charles K. Popkess, Attorney-in-Fact

1675 Larimer, Suite 600, Denver, CO 80202
(Address)

October 31, 1983
(Date)

CONFIDENTIAL

SUPERVISOR, OIL AND GAS OPERATIONS:

DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of oil and gas lease

DISTRICT LAND OFFICE: Salt Lake City, Utah 84111
SERIAL No.: U-51275

and hereby designates

NAME: Marathon Oil Company
ADDRESS: P.O. Box 2659, Casper, Wyoming 82602

as his operator and local agent; with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Oil and Gas Operating Regulations with respect to (describe acreage to which this designation is applicable):

Township 37 South - Range 24 East, SLM
Section 9: N $\frac{1}{2}$ and SW $\frac{1}{4}$

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Oil and Gas Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the oil and gas supervisor of any change in the designated operator.

QUANTUM RESOURCES INC.



President

(Signature of lessee)

c/o Tripet Resources Limited
Box 3500 - 1900-800-5th Avenue S.W.
Calgary, Alberta. T2P 2P9
Canada

(Address)

10/20/83

(Date)

CONFIDENTIAL

DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of lease

DISTRICT LAND OFFICE: Salt Lake City, Utah
SERIAL No.: U-51275

and hereby designates

NAME: MARATHON OIL COMPANY
ADDRESS: P.O. Box 2659
CASPER, WYOMING 82602 ATTENTION: Mr. Carl Bassett

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Operating Regulations with respect to (describe acreage to which this designation is applicable):

Township 37 South, Range, ⁸~~28~~ East, 6th P.M.
Section 9: N/2, SW/4

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the supervisor of any change in the designated operator.

ANDERSON-MYERS DRILLING COMPANY


(Signature of lessee)

Wm. J. Myers, President
Three Park Central

1515 Arapahoe - Suite 1075

Denver, Co.

(Address) 80202

October 21, 1983

(Date)

CONFIDENTIAL

OPERATOR MARATHON OIL CO DATE 11-2-83

WELL NAME TANK CANYON #1-9

SEC SENVU 9 T 37S R 24E COUNTY SAN JUAN

43-037-30948

API NUMBER

FED

TYPE OF LEASE

POSTING CHECK OFF:

☐

INDEX

☐

MAP

☐

HL

☐

NID

☐☐

PI

PROCESSING COMMENTS:

NO OIL WELLS WITHIN 1000'

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 11-2-83
[Signature]

✓ CHIEF PETROLEUM ENGINEER REVIEW:

11/2/83

APPROVAL LETTER:

SPACING:

☐

A-3

UNIT

☐

c-3-a

CAUSE NO. & DATE

☒

c-3-b

☐

c-3-c

SPECIAL LANGUAGE:

WATER

☒ RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON PLAT MAP.

☒ AUTHENTICATE LEASE AND OPERATOR INFORMATION

☒ VERIFY ADEQUATE AND PROPER BONDING *FED*

☒ AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

☐ APPLY SPACING CONSIDERATION

☐ ORDER NO

☐ UNIT NO

☒ c-3-b

☐ c-3-c

☒ CHECK DISTANCE TO NEAREST WELL.

☒ CHECK OUTSTANDING OR OVERDUE REPORTS FOR OPERATOR'S OTHER WELLS.

☒ IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

☒ IF IN OIL SHALE DESIGNATED AREA, SPECIAL APPROVAL LANGUAGE.

☒ VERIFY LEGAL AND SUFFICIENT DRILLING WATER *REQUIRED*



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dr. G. A. (Jim) Shirazi, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

November 2, 1983

Marathon Oil Company
P. O. Box 2659
Casper, Wyoming 82602

RE: Well No. Tank Canyon #1-9
SE NW Sec. 9, T. 37S, R. 24E
2030' FNL, 1830' FWL
San Juan County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to oil/gas well is hereby granted in accordance with Rule C-3(b), General Rules and Regulation and Rules of Practice and Procedure. Prior to spudding, a copy of the Utah Division of Water Rights (Phone No. 801-533-6071) approval for use or purchase of drilling water must be submitted to this office, otherwise, this approval is void.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

RONALD J. FIRTH - Chief Petroleum Engineer
Office: 533-5771
Home: 571-6068

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-037-30948.

Sincerely,

Norman C. Stout
Administrative Assistant

NCS/as
cc: Branch of Fluid Minerals
Encl.

November 2, 1983

Marathon Oil Company
P. O. Box 2659
Casper, Wyoming 82602

RE: Well No. Tank Canyon #1-9
SE NW Sec. 9, T. 37S, R. 24E
2030' FNL, 1830' FWL
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Sincerely,


Norman C. Stout
Administrative Assistant

NCS/as
cc: Branch of Fluid Minerals
Encl.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL ☒ DEEPEN ☐ PLUG BACK ☐

b. TYPE OF WELL
OIL WELL ☒ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☐

2. NAME OF OPERATOR
Marathon Oil Company

3. ADDRESS OF OPERATOR
PO Box 2659, Casper WY 82602

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface 2030' FNL & 1830' FWL

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
19.8 miles northwest from Hatch Trading Post, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any) 1830'

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5219' Ungraded Ground

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
Please see Item #4 of 10-Point for complete casing and cementing record.				

WE REQUEST THAT ALL INFORMATION REGARDING THIS WELL BE HELD CONFIDENTIAL AS PRESCRIBED BY FEDERAL AND STATE LAW.

Please see the following attachments:

1. Surveyor's Plat
2. Ten-Point Drilling Program
3. BOP Schematic
4. Thirteen-Point Surface Plan
5. Maps and Diagrams

The person responsible for NTL-6 is Walt West
Gov't Compliance
Office (307) 577-1555
Home (307) 235-1420

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Robert D. Jones FOR D. L. JONES TITLE District Operations Manager DATE 10/31/83

(This space for Federal or State office use)

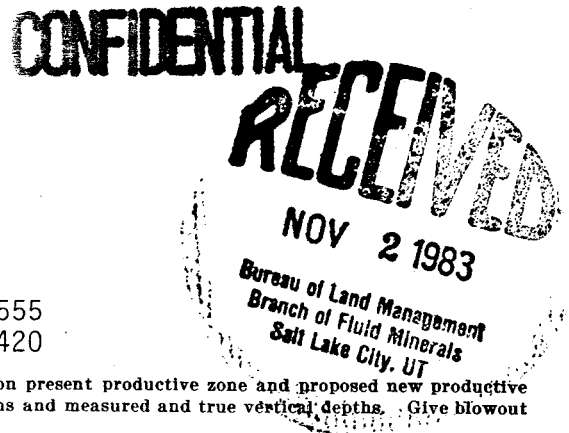
PERMIT NO. APPROVAL DATE

APPROVED BY DISTRICT MANAGER TITLE DATE 11-3-83

CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED

*See Instructions On Reverse Side



DOGM

480-Bu at Fluids - SLC

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Company Marathon Oil Well No. 1-9
Location T37S, R24E, Sec. 9 Lease No. U-51275

**A COPY OF THESE CONDITIONS SHOULD BE FURNISHED YOUR
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (30 CFR 221), and the approved plan of operations. The operator is considered fully responsible for the actions of his subcontractors. The following items are emphasized:

1. There shall be no deviation from the proposed drilling and/or workover program as approved. Safe drilling and operating practices must be observed. All wells, whether drilling producing, suspended, or abandoned shall be identified in accordance with 30 CFR 221.22. Any changes in operations must have prior approval of this office. Pressure tests are required before drilling out from under all casing strings set and cemented in place. Blowout preventer controls must be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to insure good mechanical working order, and this inspection recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs. All BOP pressure tests must be recorded on the daily drilling report.
2. All shows of fresh water and minerals will be reported and protected. A sample will be taken of any water flows and furnished this office for analysis. All oil and gas shows will be adequately tested for commercial possibilities, reported and protected.
3. No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of this office. If operations are to be suspended, prior approval of this office must be obtained and notification given before resumption of operations.

In the event abandonment of the hole is desired, an oral request may be granted by this office, but must be timely followed within 15 days with a "Notice of Intention to Abandon" (Form 9-331). Unless the plugging is to take place immediately upon receipt of oral approval, the District Manager must be notified at least 48 hours in advance of the plugging of the well in order that a representative may witness plugging operation. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form 9-331) must be submitted within 15 days after the actual plugging of the well bore, reporting where the plugs were placed, and the current status of the surface restoration. If surface restoration has not been completed at that time, a follow-up report on form 9-331 should be filed when all surface restoration has been completed and the location is considered ready for final inspection.

4. The spud date will be reported orally to the respective District Manager's office within 48 hours after spudding. If the spudding occurs on a week-end or holiday, wait until the following regular workday to make this report.

Periodic drilling progress reports must be filed directly with the District Manager's office on a frequency and form or method as may be acceptable to the District Manager.

In accordance with NTL-1, this well must be reported on Form 9-329 "Monthly Report of Operations", starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report should be filed, in duplicate, directly with Royalty Management Accounting Center, Minerals Management Service, P. O. Box 2859, Casper, Wyoming 82602.

Any change in the program must be approved by the District Manager. "Sundry Notices and Reports on Wells" (form 9-331) must be filed for all changes of plans and other operations in accordance with 30 CFR 221.58. Emergency approval may be obtained orally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alteration of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground will require the filing of a suitable plan pursuant to NTL-6, and prior approval by the District Manager.

5. Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (form 9-330) will be submitted not later than 15 days after completion of the well or after completion of operations being performed, in accordance with 30 CFR 221.59. Two copies of all logs run, core descriptions, core analyses, well-test data, geologic summaries, sample descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with form 9-330. Samples (cuttings, fluid, and/or gas) will be submitted only when requested by this office.
6. Significant surface values (are) (are not) involved at this location. Accordingly, you (must) (need not) notify at least (24) (48) hours prior to commencing field operations to allow this office to have personnel present for consultation during the construction of roads and locations.

Your contact with the District Office is: Lynn Jackson

Office Phone: 801-259-6111 Home Phone: _____

City: Moab State: Utah

Resource Area Manager's Address and contacts are:

Address: 480 S 1st West, Box 7, Minticello UT 84535

Your contact is: Brian Wood

Office Phone: 801-587-2087 Home Phone: _____

7. SURFACE OPERATING STANDARDS

Unless otherwise specified herein, construction and maintenance of surface facilities approved under this plan shall be in accordance with the guidelines set forth in the BLM/FS/GS Oil and Gas Brochure entitled, "Surface Operating Standards for Oil and Gas Exploration and Development". This includes but is not limited to such items as road construction and maintenance, handling of top soil and rehabilitation.

8. If a replacement rig is contemplated for completion operations, a "Sundry Notice" to that effect must be filed, for prior approval of the District Manager, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.
9. Pursuant to NTL-2B requirements regarding disposal facilities for new wells, this is authorization for unlined pit disposal of the water produced from this well for a period of 90 days from the date of initial production for sales purposes. During this period, an application for approval of the permanent disposal method, along with the required water analysis and other information must be submitted for the District Manager's approval. Failure to timely file an application within the time allowed will be considered an incident of noncompliance, and will be grounds for issuing a shut-in order until the application is submitted.
10. This permit is valid for a period of one year from the date of approval. If construction does not commence within 90 days from approval, the operator must contact this office 15 days prior to beginning construction. Construction under adverse conditions may require additional stipulations. If the permit terminates, any surface disturbance created under the application must be rehabilitated in accordance with the approved plan. After termination, it is required that a new application be filed for approval for any future operations.
11. If a tank battery is constructed on this lease, it must be surrounded by a fire wall of sufficient capacity to adequately contain the storage capacity of the battery.
12. This Application for Permit to Drill is approved subject to the requirement that, should the well be successfully completed for production, this office must be notified when it is placed in a producing status. Such notification will be by telegram or other written communication, and must be received in this office by not later than the first business day next following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - a. Operator name, address and telephone number.
 - b. Well name and number.
 - c. Well location (1/4, 1/4, Section, Township, Range and Prime Meridian).
 - d. Date was placed in a producing status.
 - e. The nature of the well's production, i.e. crude oil, or crude oil and casinghead gas, or natural gas and entrained liquid hydrocarbons.

- f. The OCS, Federal or Indian lease prefix and number on which the well is located. Otherwise, the non-Federal or non-Indian land category, i.e. State or private.
- g. If appropriate, the unit agreement name, number and participating area name.
- h. If appropriate, the communitization agreement number.

13. _____

SUPPLEMENTAL STIPULATIONS OF APPROVAL ATTACHED

1. The operator or his contractor will contact the San Juan Resource Area Office in Moab, Utah, phone (801) 587-2201, 48 hours prior to beginning any work on public land.
2. The dirt contractor will be furnished with an approved copy of the surface use plan and any additional BLM stipulations prior to any work.
3. Use of water from sources such as wells, springs, streams, or stock ponds for activities associated with this well will be approved, prior to use, by the agency or individual holding the water right (i.e. State of Utah).
4. If subsurface cultural material is exposed during construction, work in that spot will stop immediately and the San Juan Resource Area Office will be contacted. All employees working in the area will be informed by the operator that they will be subject to prosecution for disturbing archaeological sites or picking up artifacts. Salvage or excavation of identified archaeological sites will only be done if damage occurs.
5. All vegetation will be removed from the location and stockpiled separate from the trees on the NE side of the location.
6. A trash cage will be used onsite to contain all trash. A trash pit will not be allowed. Barrels, cable, wood, and all other trash will be hauled to the local sanitary landfill and be properly disposed. Open burning of trash or garbage is illegal under Section 2.4, Utah Air Conservation Regulations.

REHABILITATION

1. Immediately upon completion of drilling, the location and surrounding area will be cleared of all debris resulting from the operation. All trash will be disposed of in the trash cage and hauled to a local town dump site. Trash will not be buried onsite.
2. The operator or his contractor will contact the San Juan Resource Area BLM Office in Monticello, Utah, phone (801) 587-2201, 48 hours prior to starting rehabilitation work that involves earthmoving equipment and upon completion of restoration measures.

3. Before any dirt work to restore the location takes place, the reserve pit must be completely dry and any trash (barrels, metal, etc.) it contains must be removed from public lands.
4. All disturbed areas will be recontoured to blend as nearly as possible with the surrounding area and ripped 12 in. deep on the contour.
5. All seeding will be done between Oct. 1 - Feb. 28 and seed must be covered.

PRODUCTION

1. The reserve pit and that portion of the location and access road not needed for production or production facilities will be reclaimed in the methods described in the rehabilitation section. Adequate topsoil will be retained for final reclamation of the location. Any remaining stockpile of topsoil will be seeded in place using the prescribed seed mixture.
2. All above-ground production facilities will be painted, using Carlsbad Canyon or Badlands Brown.

ADDITIONAL STIPULATIONS FOR PRODUCTION FACILITIES

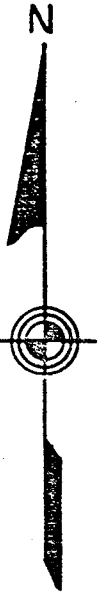
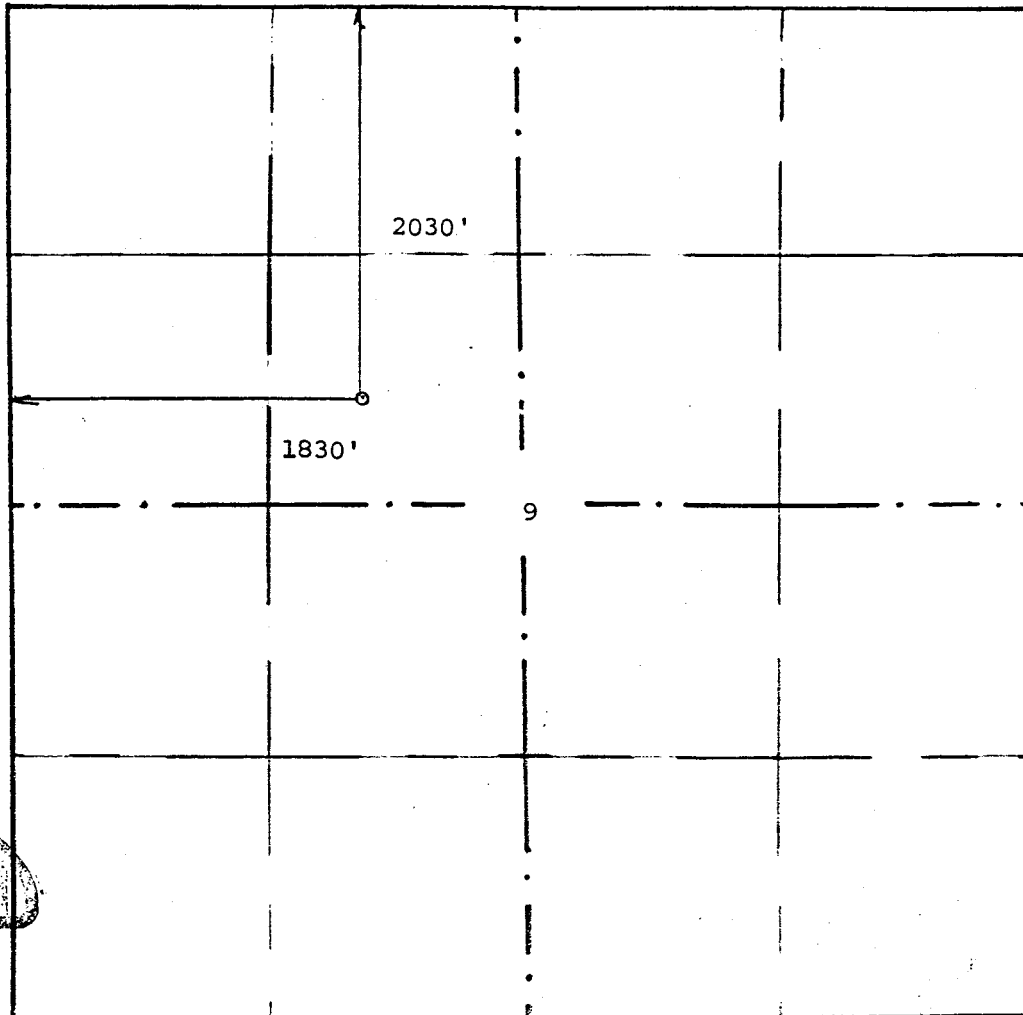
Your Application for Permit to Drill also included a submittal for production facilities. These production facilities are approved for the lessee and his designated operator under Section 1 of the Oil and Gas Lease with the following conditions:

- (1) The oil and gas measurement facilities must be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy are to be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. Please provide this office with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports are to be submitted to the Salt Lake City District Oil and Gas Supervisor. Royalty payments will be made on all production volume as determined by the meter measurements or the tank measurements. All measurement facilities must conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.
- (2) Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried from the wellhead to the meter and 500 feet downstream of the meter run or any production facilities. Meter runs must be housed and/or fenced.
- (3) All disturbed areas not required for operations will be rehabilitated.
- (4) All produced liquids must be contained including the dehydrator vent/condensate line effluent. All production pits must be fenced.
- (5) The well activity, the well status and the date the well is placed on production must be reported on Lessee's Monthly Report of Operations, Form 9-329.
- (6) All off-lease storage, off-lease measurement, or commingling on lease or off-lease must have written approval.
- (7) All product lines entering and leaving hydrocarbon storage tanks must be locked/sealed.
- (8) You are reminded of the requirements for handling, storing, or disposing of water produced from oil and gas wells under NTL-2B.
- (9) All materials, trash, junk, debris, etc. not required for production must be removed from the well site and production facility site at the completion of these operations.
- (10) A copy of the Gas Sales Contract will be provided to this office and the Royalty Accounting Department as directed.
- (11) Construction and maintenance for surface use approved under this plan should be in accordance with the surface use standards as set forth in the BLM/GS Oil and Gas Brochure entitled, "Surface Operating Standards for Oil and Gas Exploration and Development." This includes, but is not limited to, such items as road construction and maintenance, handling of top soil and rehabilitation.
- (12) "Sundry Notice and Reports on Wells" (form 9-331) will be filed for all changes of plans and other operations in accordance with 30 CFR 221.58. Emergency approval may be obtained verbally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alternations of facilities, including roads, gathering lines, batteries, measurement facilities, etc., will require the filing of a suitable plan and prior approval by the survey.



POWERS ELEVATION

Well Location Plat




1"=1000'

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Branch of Fluid Minerals
Salt Lake City, UT

Operator Marathon Oil Company		Well name Tank Canyon #1-9 U51275	
Section 9	Township 37S	Range 24E	Meridian SLM
Footages 2030FN 1830 FW			References: 300' N68°E 5227' 300' S68°W 5237'
County/State San Juan Utah			
Elevation 5219	Requested by Walt West		
The above plat is true and correct to the best of my knowledge and belief.			
10/27/83		 Gerald G. Huddleston, L.S.	

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POWERS ELEVATION

OIL WELL ELEVATIONS — LOCATIONS
ENVIRONMENTAL — ARCHAEOLOGICAL SERVICES
600 SOUTH CHERRY STREET, SUITE 1201
DENVER, COLORADO 80222
PHONE NO. 303/321-2217

October 27, 1983

Access Directions

McCracken Springs #1-31 (U-51846)

The distance from Hatch Trading Post is 11.1 miles from HTP go 6.6 miles Northerly on CR 446 and CR246 to Y intersection; go westerly on Alkali ridge road 2.8 to power line; go NW'erly 1.9 miles to beginning proposed access. Flagged red and yellow.

Tank Canyon #1-9 (U-51275)

The distance from Hatch Trading Post is 19.8 miles. From HTP go Northerly on CR446, CR246 and CR146 18.6 miles; take Bradford Canyon road 1.2 miles westerly to location.

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MARATHON OIL COMPANY
DRILLING OPERATIONS PLAN

DATE: October 31, 1983

WELL NAME: Tank Canyon #1-9

LOCATION: 2030' FNL & 1830' FWL, Sec. 9, T37S, R24E, San Juan County, Utah

1. Geologic name of the surface formation:

Jurassic Morrison Formation

2. Estimated tops of important geological markers:

<u>Formation</u>	<u>Depth (K.B.)</u>	<u>Datum</u>
Navajo	739'	(+4,855)
Wingate	1,349'	(+4,245)
Chinle	1,999'	(+3,995)
Shinarump	2,399'	(+3,195)
Meonkopi	2,444'	(+3,150)
Cutler	2,499'	(+3,095)
Honaker Trail	4,549'	(+1,045)
Paradox	5,449'	(+ 145)
Upper Ismay	5,634'	(- 40)
Desert Creek	5,899'	(- 305)
Akah	6,009'	(- 415)
P.T.D.*	6,020'	(- 426)

*If significant hydrocarbon shows are encountered prior to reaching the Akah Formation, the well will be drilled to a T.D. of approximately 6,000'.

3. Estimated depths at which oil, water, gas or other mineral bearing formations are expected to be encountered:

<u>Formation</u>	<u>Depth</u>	<u>Possible Content</u>
Cutler	2,499'	Water
Upper Ismay	5,634'	Oil and Gas
Desert Creek	5,899'	Oil and Gas

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4. The Proposed Casing Program:

Casing Design

CASING STRING	HOLE SIZE	INTERVAL	SECTION LENGTH	SIZE (OD)	WEIGHT, GRADE AND JOINT	NEW OR USED	MUD WEIGHT	1,000# TENSION LOAD	SF _t	SF _c	SF _b
Conductor	20"	0 - 60'	60'	16"	Thinwall Steel	New	8.5				
Surface	12-1/4"	0 - 1500'	1500'	9-5/8"	36#, K-55 STC	New	8.5	54	7.83	2.24	1.74
Production	8-3/4"	0 - 6020	6020'	7"	26#, K-55 LTC	New	9.0	129	3.11	1.21	2.45

Cement Program:

9-5/8" Casing

Lead Slurry: $1,000' \times .3132 \text{ ft}^3/\text{ft} \times 2.0 \text{ excess} = 626 \text{ ft}^3 = 340 \text{ sx}$. "Light" cement with 1/4#/sack cellophane flakes and 2% CaCl_2 .
Weight: 12.7 ppg
Yield: $1.84 \text{ ft}^3/\text{sk}$
Water Requirement: 9.9 gal/sk

Tail Slurry: $500' \times .3132 \text{ ft}^3/\text{ft} \times 2.0 \text{ excess} = 313 \text{ ft}^3 = 265 \text{ sx}$. Class "B" cement with 1/4#/sack cellophane flakes and 2% CaCl_2 .
Weight: 15.6 ppg
Yield: $1.18 \text{ ft}^3/\text{sk}$
Water Requirement: 5.2 gal/sk

Casing equipment will include a float shoe, insert float valve and 3 centralizers. WOC time will be a minimum of 6 hours.

7" Casing

Lead Slurry: $3,620 \times .1503 \text{ ft}^3/\text{ft} \times 25\% \text{ excess from logs} + 680 \text{ ft}^3 = 370 \text{ sx.}$ "Light" cement with 1% fluid loss additive.

Weight: 12.7 ppg

Yield: $1.84 \text{ ft}^3/\text{sk}$

Water Requirement: 9.9 gal/sk

Tail Slurry: $1,000 \times .1503 \text{ ft}^3/\text{ft} \times 25\% \text{ excess from logs} + 188 \text{ ft}^3 = 160 \text{ sx.}$ Class "B" cement with 1% fluid loss additive.

Weight: 15.6 ppg

Yield: $1.18 \text{ ft}^3/\text{sk}$

Water Requirement: 5.2 gal/sk

Casing equipment will include a float shoe, float collar and 10 centralizers.

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5. Pressure Control Equipment:

B.O.P equipment will include a double ram type preventer with pipe and blind rams and an annular preventer. All equipment will have a 3000 psi or better working pressure. Rams, annular preventer, valves, lines, choke manifold and surface casing will be tested to 200 psi for 5 minutes and to 2500 psi for 15 minutes. The pipe rams will be function tested daily and the blind rams will be function tested on trips. After drill out the 9-5/8" casing shoe will be tested to 13.0#/gal or leak off.

6. Drilling Mud Program:

<u>From</u>	<u>To</u>	<u>Type Mud</u>	<u>Weight</u>	<u>% Oil</u>	<u>Water Loss</u>
0'	1,500'	Spud	8.5	0	No Control
1,500'*	5,000'	Water w/Gel Sweeps	8.5	0	No Control
5,000'	T.D.	LSND	9.0	0	Less than 10 cc's

*Water flows in the area may necessitate mudding up at any time before 5,000'. Sufficient barite should be on location to increase mud weight to 11.7#/gal if required.

7. Auxiliary Equipment Required:

A drilling rate recorder which can record drilling time for each one foot interval will be used.

A desander and desilter will be used.

A gas buster and a manual adjustable choke will be used.

A bit retrievable casinghead wear bushing will be used and checked for wear weekly.

A kelly cock will be used and a full opening safety valve will be available on the rig floor.

A single shot drift indicator will be used.

Deviation Control:

<u>From</u>	<u>To</u>	<u>Maximum Distance Between Surveys</u>	<u>Maximum Deviation From Vertical</u>	<u>Maximum Change Per 100' of Depth</u>
0'	1,500'	250'	1°	1°
1,500'	T.D.	500'	5°	1°

Deviation problems are not expected, formation dips should be 5° or less.

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8. Testing, Logging, Coring and Fracing Program:

Samples will be taken at 10' intervals from the surface casing show to T.D. by a two man mud logging crew.

3 DST's are expected in the Upper Ismay and Desert Creek Formations.

300' of core will be cut in the Upper Ismay and Desert Creek Formations.

The logging program will be as follows:

1. DIL/SFL/GR from T.D. to surface casing shoe with GR pulled to surface.
2. BHC Sonic/GR from T.D. to surface casing shoe.
3. FDC/CNL/GR from T.D. to surface casing shoe.
4. Dipmeter from T.D. to 5,300'. A Cyberlook from T.D. to the top of Honaker Trail.

Fracing Program:

If necessary, acid stimulate.

9. Abnormal Conditions:

Pressured salt water flows may be encountered anytime below the surface casing shoe. Mud weights of up to 11.7 ppg may be needed to control these flows.

Maximum anticipated bottom hole pressure is 2650 psi.

Maximum anticipated bottom hole temperature is 140°F.

10. Anticipated starting date and duration:

Starting Date: November 15, 1983

Duration: 31 Days

Name Gary A. Newberry / A.G.

Title Drilling Superintendent

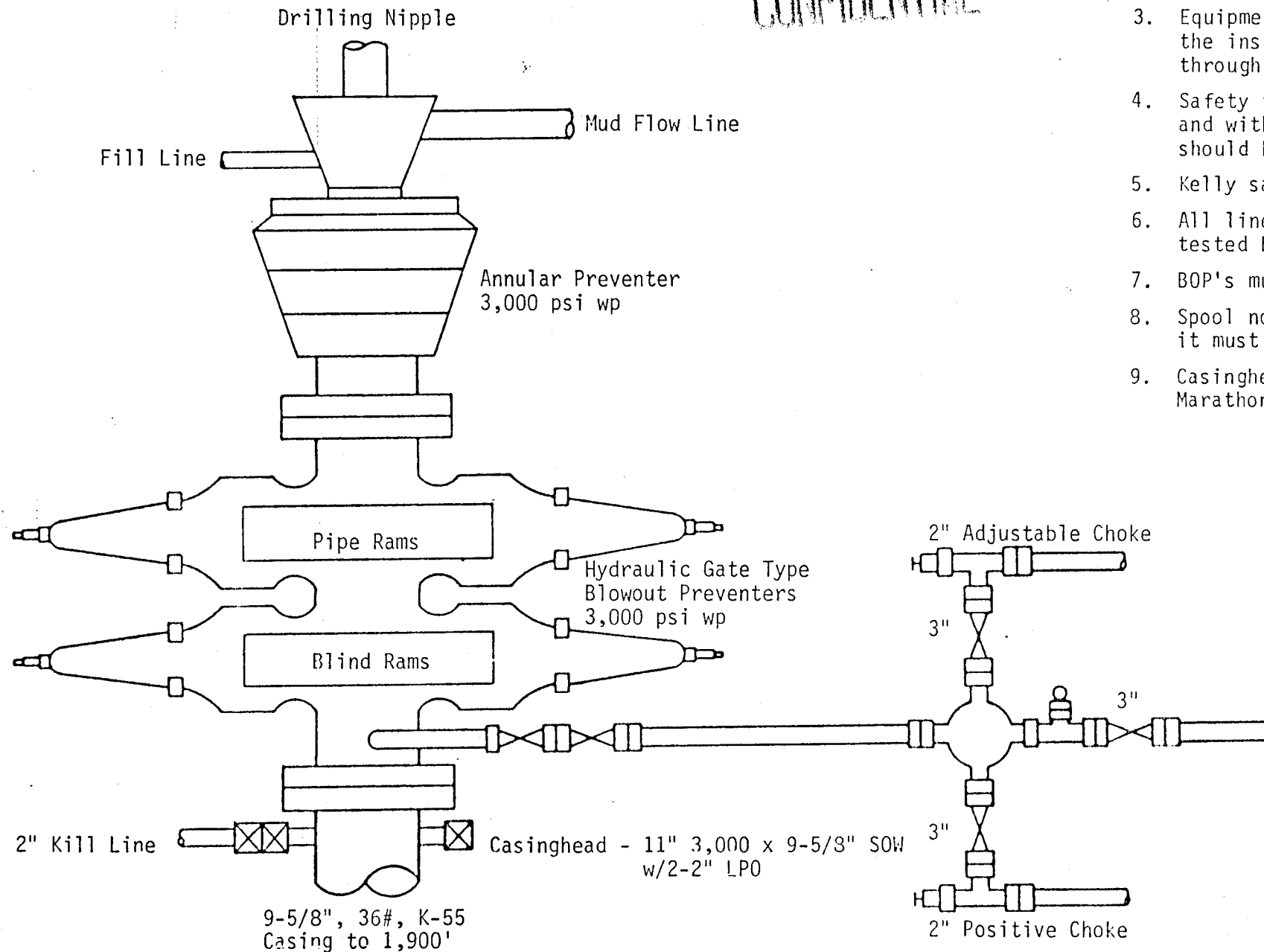
Date 10-31-83

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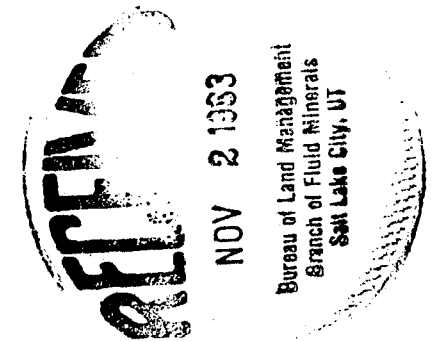
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1. Blowout preventers, master valve, plug valve and all fitting must be in good condition. Use new API Seal Rings.
2. All fittings (gates, valves, etc.) to be of equivalent pressure rating as preventers. Valves to be flanged and at least 2" unless otherwise specified. Valves next to BOP to be plug type and nominal 3".
3. Equipment through which bit must pass shall be as large as the inside diameter of the casing that is being drilled through.
4. Safety valve must be available on rig floor at all times and with proper connections. The I.D. of safety valves should be as great as I.D. of tool joints on drill pipe.
5. Kelly safety valve installed, same working pressure as BOP's
6. All lines and controls to preventers must be connected and tested before drilling out of surface pipe.
7. BOP's must be fluid operated, complete with accumulator.
8. Spool not required, but when side outlet on BOP's is used, it must be below bottom ram.
9. Casinghead and casinghead fittings to be furnished by Marathon Oil Company.



MARATHON OIL COMPANY
SURFACE USE & OPERATIONS PLAN

DATE: October 31, 1983

WELL NAME: Tank Canyon #1-9

LOCATION: 2030' FNL & 1830' FWL, Sec. 9, T37S, R24E, San Juan County, Utah

#1 Existing Roads:

- A. Proposed well site as staked. (Actual staking should include two each 200-foot directional reference stakes).

See Survey Plat.

- B. Route and distance from nearest town and locatable reference point to where well access route leaves main road.

19.8 miles northwest of Hatch Trading Post, Utah. See map Diagram "A" color coded red.

- C. Access road(s) to location color-coded or labeled.

Please see Diagram "B".

- D. If exploratory well, all existing roads within a 3-mile radius (including type of surface, conditions, etc.).

See Diagram "A".

- E. If development well, all existing roads within a 1-mile radius of well site.

Not applicable.

- F. Plans for improvement and/or maintenance of existing roads.

Blade work on existing roads. All work will be to BLM stipulations.

#2 Planned Access Roads:

Map showing all necessary access roads to be constructed or reconstructed, showing:

- (1) Width: 18'
- (2) Maximum grades: 5%
- (3) Turnout: none
- (4) Drainage design: Ditched and crowned, trailer ditches where needed.
- (5) Location and size of culverts and brief description of any major cuts and fills.

None planned.
- (6) Surfacing material

Will be purchased by our contractor, Howard Hughes.
- (7) Necessary gates, cattleguards, or fence cuts.

none
- (8) (New or reconstructed roads are to be center-line flagged at time of location staking).

All construction will be to BLM Class III construction, and San Juan County Standards Class "B".

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Salt Lake City, UT

#3 Location of Existing Wells:

Two-mile radius map if exploratory, or 1-mile radius map if development well, showing and identifying existing:

- (1) Water wells: none
- (2) Abandoned wells: none
- (3) Temporary abandoned wells: none
- (4) Disposal wells: none
- (5) Drilling wells: none
- (6) Producing wells: none
- (7) Shut-in wells: none
- (8) Injection wells: none
- (9) Monitoring or observation wells for other resources: none

#4 Location of Existing and/or Proposed Facilities:

A. Within 1-mile radius of location show the following existing facilities owned or controlled by lessee/operator:

- (1) Tank Batteries: none
- (2) Production Facilities: none
- (3) Gathering Lines: none
- (4) Gas Gathering Lines: none
- (5) Injection Lines (Indicate if any of the above lines are buried).
none
- (6) Disposal Lines: none

B. If new facilities are contemplated, in the event of production, show:

- (1) Proposed location and attendant lines by flagging if off of well pad.

In the event this Wildcat is commercial production, separate APD for production facilities will be submitted.

- (2) Dimensions of Facilities

See above.

- (3) Construction methods and materials:

All construction would be to Class III, BLM standards.

- (4) Protective measures and devices to protect livestock and wildlife.

Woven wire fences of the pit area.

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Branch of Field Operations
Salt Lake City, UT

- C. Plans for rehabilitation of disturbed areas no longer needed for operations after construction completed.

Drill site area will be reshaped to conform with the topography. Top soil will be distributed at the proper time. Disturbed areas scarified with contours to a depth of 6" to 8". Seed will be broadcast, as per BLM recommendation.

#5 Location and Type of Water Supply:

- A. Show location and type of water supply either on map or by written description.

Primary: Montezuma Creek, N/2 SW, Sec. 14, T37S, R24E, San Juan County, Utah

Secondary: Pond on property of Max Dalton, Sec. 24, T37S, R24E, San Juan County, Utah. Artesian well, Sec. 25, T37S, R24E, San Juan County, Utah.

All permits have been applied for, 10/31/83.

- B. State method of transporting water, and show any roads or pipelines needed.

Existing roads and access road will be used to haul water to the location.

- C. If water well is to be drilled on lease, so state. (No APD for water well necessary, however, unless it will penetrate potential hydrocarbon horizons).

No water well will be drilled.

#6 Source of Construction Materials:

- A. Show information either on map or by written description.

Construction materials will be native soils.

- B. Identify if from Federal or Indian Land.

none

- C. Describe where materials, such as sand, gravel, stone and soil material are to be obtained and used.

Any needed materials will be discussed with Mr. Bob Turri or Mr. Brian Wood of BLM, Monticello, Utah.

- D. Show any needed access roads crossing Federal or Indian Lands under Item 2.

none

#7 Methods of Handling Waste Disposal:

Describe methods and location of proposed containment and disposal of waste material, including:

- (1) Cuttings: Reserve Pit
- (2) Drilling fluids: Reserve Pit
- (3) Produced fluids (oil, water) Swab Tanks
- (4) Sewage: Porta Pot

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Salt Lake City, UT

#7 Methods of Handling Waste Disposal: (cont'd)

- (5) Garbage and other waste material (trash pits will be completely contained with small mesh wire to prevent wind scattering trash before being burned or buried).

There will be a 10' x 10' burn pit on the drill site and it will be woven wire fenced.

- (6) Statement regarding proper cleanup of well site area when rig moves out.

Surrounding area will be cleaned up and all burnable materials will be put in the burn pit and burned. Non-burnable debris will be hauled to a local dump site, designated by BLM. Burn permit will be obtained from a state fire warden, John Baker.

#8 Ancillary Facilities:

Identify all proposed camps and airstrips on a map as to their location, area required and construction methods. (Camp center and airstrip center lines to be staked on the ground).

none

#9 Wellsite Layout:

A plat (not less than 1" = 50') showing:

- (1) Cross sections of drill pad with cuts and fills.

See Diagram "B"

- (2) Location of mud tanks, reserve, burn and trash pits, pipe racks, living facilities and soil material stockpiles.

See Diagram "C"

- (3) Rig orientation, parking areas and access roads.

See Diagram "C"

- (4) Statement as to whether pits are to be lined or unlined. (Approval as used in this section means field approval of location. All necessary staking of facilities may be done at time of field inspection). A registered surveyor is not mandatory for such operations.

The pit will be lined with commercial bentonite sufficient to prevent seepage. Pit will be in total cut.

#10 Plans for Restoration of Surface

State restoration program upon completion of operations, including:

- (1) Backfilling, leveling, contouring and waste disposal, segregation of spoils materials as needed.

The drill site will be cleaned and waste material put in trash burn pit, which will be covered at the finish of the drilling operation. Reserve pit will be backfilled as soon as it is dry.

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Branch of Field Minerals
Salt Lake City, UT

#10 Plans for Restoration of Surface (cont'd):

- (2) Revetation and rehabilitation - including access roads (normally per BLM recommendations).

The top soil will be distributed and at the proper season, the following BLM seed requirements will be broadcast planted:

2 lbs./acre Indian Ricegrass	2 lbs./acre Fourwing Saltbush
1 lb./acre Curleygrass	2 lbs./acre Shadscale
1 lb./acre Alkali Sacaton	2 lb./acre Wild Sunflower

Trees will be scattered evenly over the disturbed areas and walked down with a dozer.

- (3) Prior to rig release, pits will be fenced and so maintained until cleanup.

The reserve pit will be fenced on three (3) sides during drilling; at the completions of drilling all pits, they will be fenced on the one remaining side.

- (4) If oil on pit, remove oil or install overhead flagging.

If there is oil on the reserve pit, it will be removed or flagged with overhead flagging.

- (5) Timetable for commencement and completion of rehabilitation operations.

Depending upon climatic conditions, restoration should be completed from six months to one year after abandoning well.

#11 Other Information:

General Description of:

- (1) Topography, soil characteristics, geologic features, flora and fauna.

Sagebrush, scrub cedars, rock formations occasionally dissected by light to heavy drainage features. Deer, rabbits, fox, small rodents, cattle, and sheep.

- (2) Other surface use activities and surface ownership of all involved lands.

Access road and drill site are owned by U.S. Government. Surface facilities will be painted Federal Std. #30318, Badlands Brown.

- (3) Proximity of water, occupied dwellings, archeological, historical or cultural sites.

There is no water or occupied dwellings in the area. Archaeology was performed by LaPlata Archeological Consultants, Inc, Doloris, Colorado, and Monticello, Utah.

#12 Lessee's or Operator's Representative:

Gary A. Newberry, Marathon Oil Company, PO Box 2659, Casper WY 82602.
Office: (307) 577-1555
Home: (307) 235-1325

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Salt Lake City, UT

- #13 Certification: The following statement is to be incorporated in the plan and must be signed by the lessee's or operator's field representative who is identified in item No. 12 of the plan:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Marathon Oil Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

OCT. 31, 1983 H. L. Guthrie / For Gary Newberry
Date Name

Drilling Superintendent

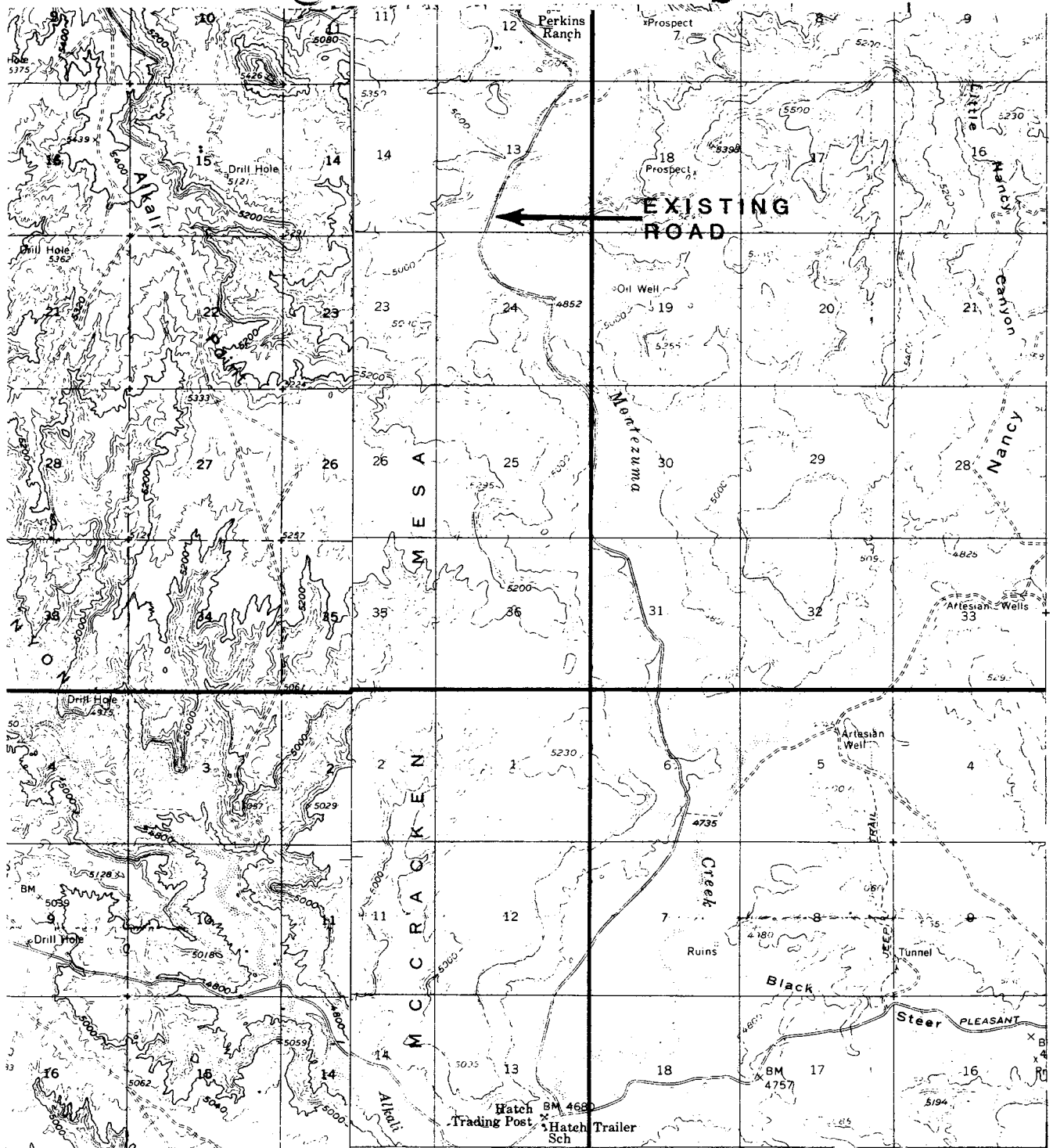
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Branch of Fluid Minerals
Salt Lake City, UT

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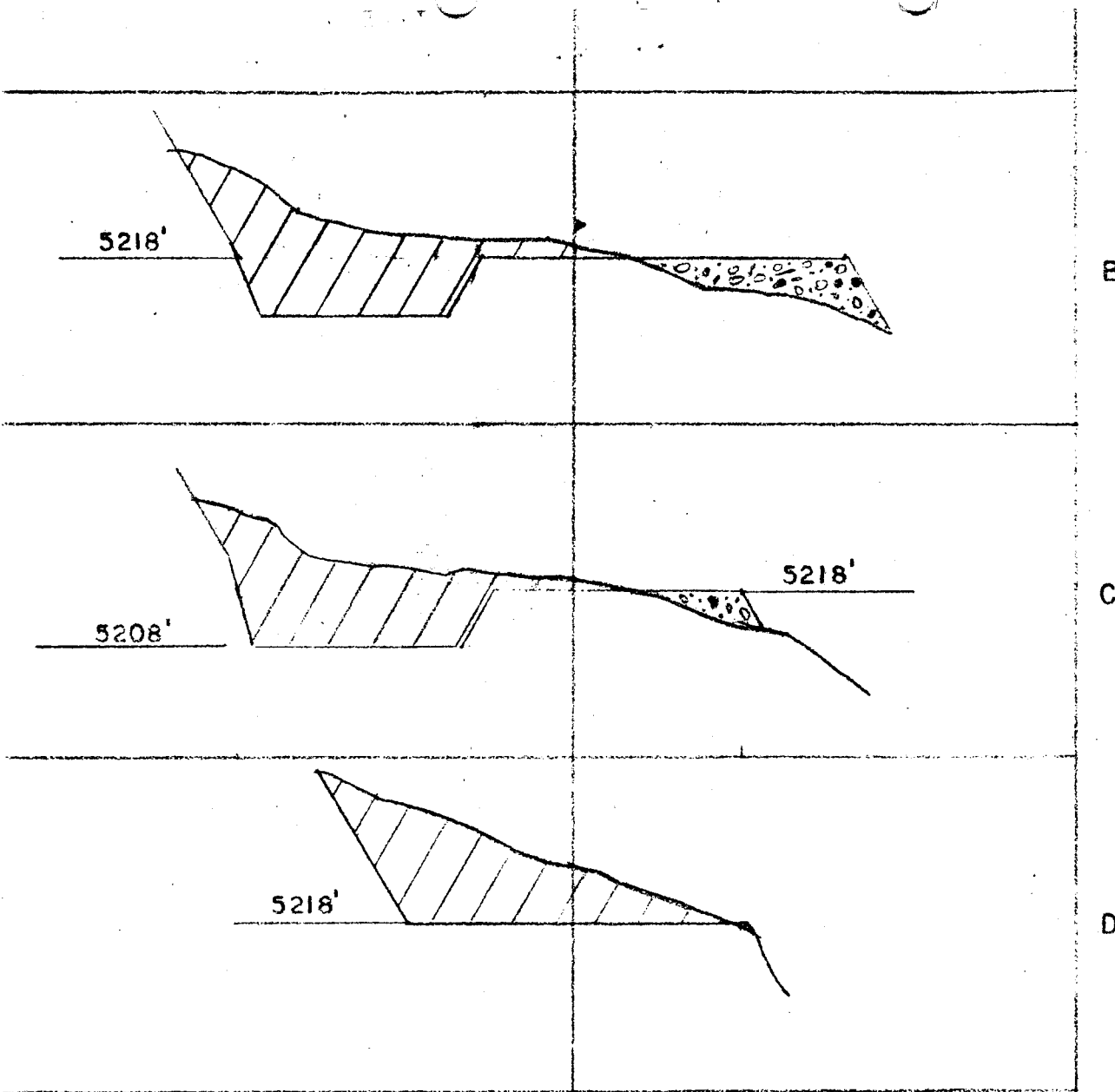


MARATHON OIL COMPANY
TANK CANYON
WELL # 1-9
2030' FNL & 1830' FWL
SEC. 9, T37S, R24E
SAN JUAN CO., UTAH

CONFIDENTIAL

DIAGRAM





CONFIDENTIAL

± 32,450 CU.YDS.CUT
 ± 2,750 CU.YDS.FILL
 ± 16,400 CU.YDS.WASTE
 ± 2,600 CU.YDS. TOPSOIL

DIAGRAM B

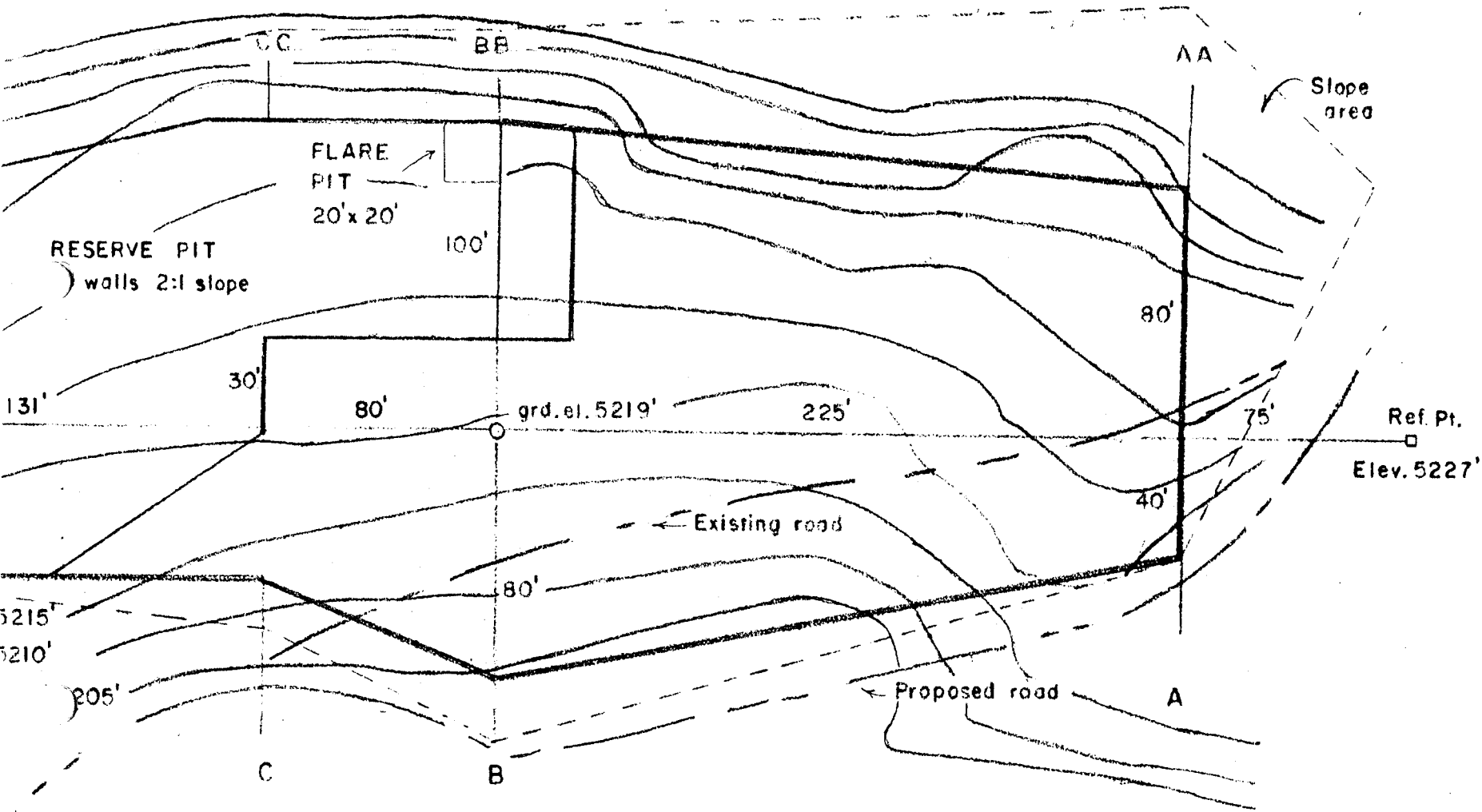
MARATHON OIL COMPANY
 WELL SITE PLAN
 TANK CANYON #1-9 FED U-51275
 2030' FNL & 1830' FWL
 SEC. 9, T 37S, R 24E

BY G. HUDDLESTON, L.S.

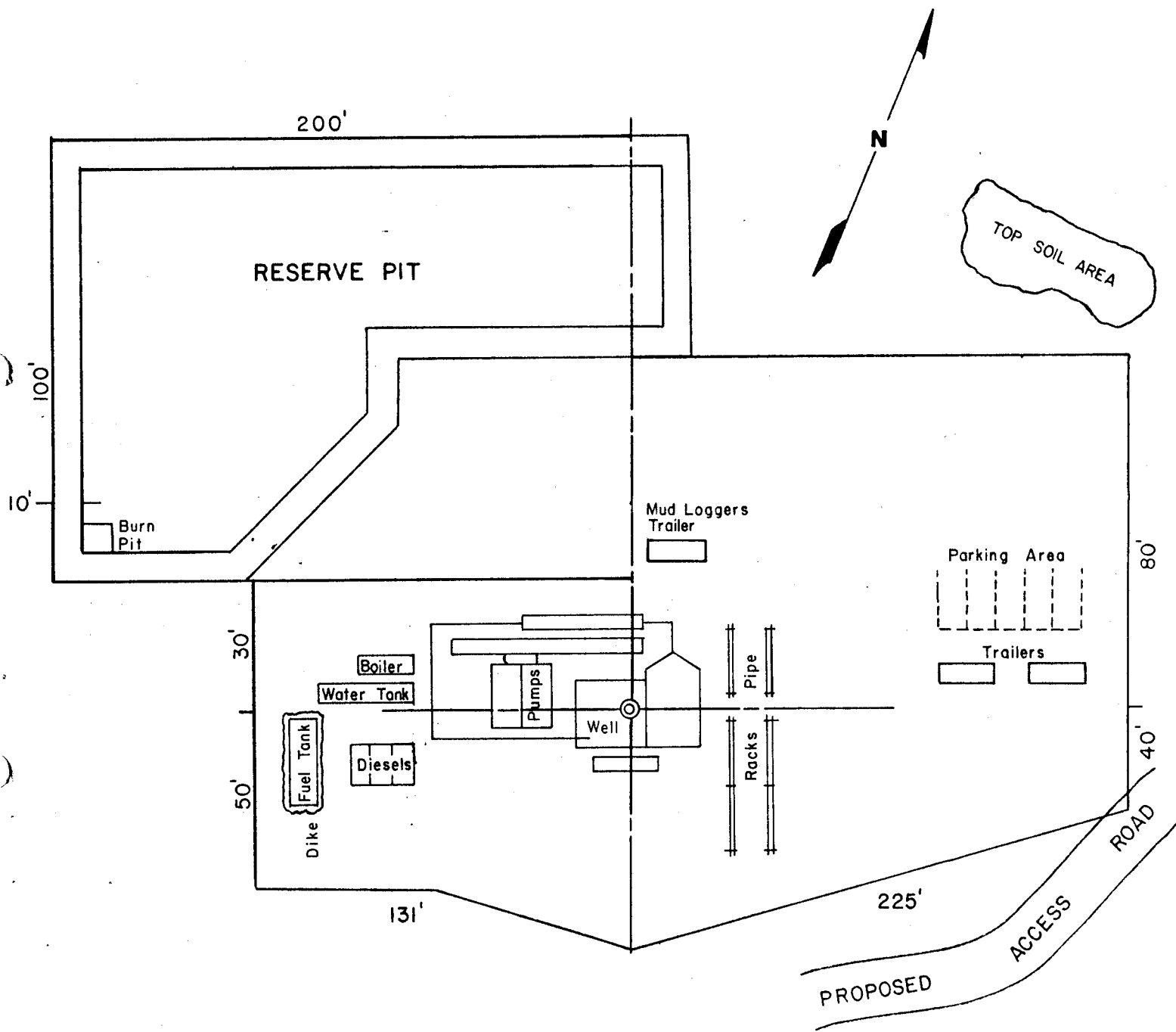
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 Branch of Fluid Minerals
 Salt Lake City, UT



SCALE 1"=50'



SCHEMATIC of RIG LAYOUT

PROPOSED
DIAGRAM C

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Branch of Fluid Minerals
Salt Lake City, UT

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Tank Canyon #1-9
Fed. U-51275
SE NW Sec. 9, T 37 S R 24 E
2030 FNL & 1830 FWL
San Juan Co., Utah

Casper Division
Production United States



**Marathon
Oil Company**

P.O. Box 2659
Casper, Wyoming 82602
Telephone 307/577-1555

October 31, 1983

Bureau of Land Management
Attn: Mr. Edward Scherick
PO Box 7
480 S. 1st West
Monticello UT 84535

Re: Montezuma Canyon Deer Winter Range

Dear Mr. Scherick:

During the drilling of Tank Canyon #1-9, all Marathon Oil Company employees and all employees of contractors and subcontractors will be advised that no firearms, traps, snares, bows, bow guns, or other devices to catch, trap, hold, or kill any game, wildlife, or birds will be allowed on, about, or around the well location or to and from the wellsite; also, no dogs, hunting animals, birds of prey, or the harassment of any domestic animals will be allowed.

I also want to thank you for your efforts in coordinating our approach with the Fish and Game people.

Very truly yours,

Robert L. Jones FOR D.L. JONES

Doyle L. Jones
District Operations Manager

DLJ:WEW:sw

cc: Brian Wood
Bob Turri

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NOV 2 1983

Bureau of Land Management
Branch of Field Operations
Salt Lake City, UT

CONFIDENTIAL

NOTICE

To all company employees, contractors, and subcontractors:

Re: Montezuma Deer Winter Range

During the period of activity connected with the drilling and completion of Tank Canyon #1-9, including all of Sections 4, 9, 21, 28, 33, and all Sections to the east of these sections, in Township T37S, R24E, San Juan County, Utah, the following conditions will prevail:

1. No dogs, hunting animals, or birds of prey will be allowed in this area.
2. No traps, snares, bows, bow guns, or other devices designed to catch, trap, hold, or kill any game, wildlife, or birds will be allowed.
3. Firearms will be dismantled, or trigger plugs installed, so that they will be incapable of use while in the designated area.
4. No action will be taken that can be construed as harassment of wildlife or domestic animals.

No exception to the above rules will be allowed by Marathon Oil Company. If exceptions are to be granted, it must be in writing from Bureau of Land Management, Area Manager, Mr. Edward Scherick.

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Bureau of Land Management
Branch of Fluid Minerals
Salt Lake City, UT

Robert A. Thayer 10/31/83
FOR D.L. JONES
CASPER DISTRICT
OPERATIONS MANAGER

CONFIDENTIAL

KINIZEL'S, CASPER

SUPERVISOR, OIL AND GAS OPERATIONS:

DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of oil and gas lease

DISTRICT LAND OFFICE: 136 E. South Temple, Salt Lake City, Utah 84111
SERIAL NO.: U-51275

and hereby designates

NAME: Marathon Oil Company
ADDRESS: P.O. Box 2659
Casper, Wyoming 82602

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Oil and Gas Operating Regulations with respect to (describe acreage to which this designation is applicable):

Township 37 South - Range 24 East
Section 9: N $\frac{1}{2}$, SW $\frac{1}{4}$
San Juan County, Utah

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Oil and Gas Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the oil and gas supervisor of any change in the designated operator.

DUNCAN EXPLORATION COMPANY

BY: 

(Signature of lessee)

Raymond T. Duncan

1777 S. Harrison Street

(Address)

Penthouse One
Denver, Colorado 80210

October 20, 1983

(Date)

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Bureau of Land Management
Branch of Fluid Minerals
Salt Lake City, UT

CONFIDENTIAL

SUPERVISOR, OIL AND GAS OPERATIONS:

DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of oil and gas lease

DISTRICT LAND OFFICE: 136 E. South Temple, Salt Lake City, Utah 84111
SERIAL NO.: U-51275

and hereby designates

NAME: Marathon Oil Company
ADDRESS: P.O. Box 2659
Casper, Wyoming 82602

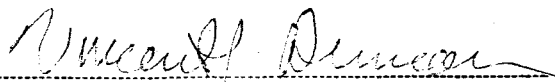
as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Oil and Gas Operating Regulations with respect to (describe acreage to which this designation is applicable):

Township 37 South - Range 24 East
Section 9: N $\frac{1}{2}$, SW $\frac{1}{4}$
San Juan County, Utah

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Oil and Gas Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the oil and gas supervisor of any change in the designated operator.


(Signature of lessee)

Vincent J. Duncan
1777 South Harrison, Penthouse One
Denver, Colorado 80210

(Address)

October 20, 1983

(Date)

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Bureau of Land Management
Denver, Colorado
FBI LAND OFFICE, UT

CONFIDENTIAL

SUPERVISOR, OIL AND GAS OPERATIONS:

DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of oil and gas lease

DISTRICT LAND OFFICE: 136 E. South Temple, Salt Lake City, Utah 84111
SERIAL NO.: U-51275

and hereby designates

NAME: Marathon Oil Company
ADDRESS: P.O. Box 2659
Casper, Wyoming 82602

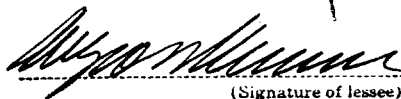
as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Oil and Gas Operating Regulations with respect to (describe acreage to which this designation is applicable):

Township 37 South - Range 24 East
Section 9: N $\frac{1}{2}$, SW $\frac{1}{4}$
San Juan County, Utah

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Oil and Gas Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the oil and gas supervisor of any change in the designated operator.


(Signature of lessee)

Raymond T. Duncan
1777 South Harrison, Penthouse One
Denver, Colorado 80210

October 20, 1983

(Date)

(Address)

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Bureau of Land Management
Branch of Field Records

CONFIDENTIAL

SUPERVISOR, OIL AND GAS OPERATIONS:

DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of oil and gas lease

DISTRICT LAND OFFICE: 136 E. South Temple, Salt Lake City, Utah 84111
SERIAL NO.: U-51275

and hereby designates

NAME: Marathon Oil Company
ADDRESS: P.O. Box 2659
Casper, Wyoming 82602

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Oil and Gas Operating Regulations with respect to (describe acreage to which this designation is applicable):

Township 37 South - Range 24 East
Section 9: N $\frac{1}{2}$, SW $\frac{1}{4}$
San Juan County, Utah

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Oil and Gas Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

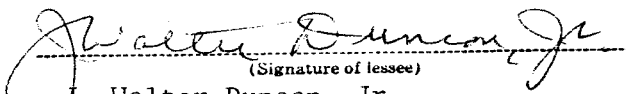
In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the oil and gas supervisor of any change in the designated operator.

October 20, 1983
(Date)

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Bureau of Land Management
Branch of Fluid Minerals
Salt Lake City, UT


(Signature of lessee)
J. Walter Duncan, Jr.
100 Park Avenue, Suite 1204
Oklahoma City, Oklahoma 73102
(Address)

CONFIDENTIAL

DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of lease

DISTRICT LAND OFFICE: Salt Lake City, Utah
SERIAL No.: U-51275

and hereby designates

NAME: Marathon Oil Company
ADDRESS: P. O. Box 2659
Casper, WY 82602

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Operating Regulations with respect to (describe acreage to which this designation is applicable):

Township 37 South, Range 24 East, SLM

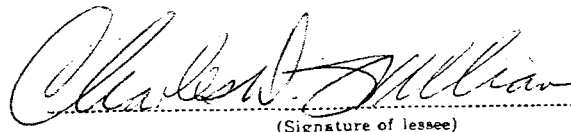
Section 9: N/2, SW/4

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the supervisor of any change in the designated operator.

TRICENTROL RESOURCES INC.


(Signature of lessee)

5675 S. Tamarac Parkway, Suite 200
Englewood, CO 80111

October 21, 1983

(Date)

(Address)

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Branch of Field Minerals
Salt Lake City, UT

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DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of lease

DISTRICT LAND OFFICE: Moab, Utah
SERIAL NO.: U-51275

and hereby designates

NAME: Marathon Oil Company
ADDRESS: Post Office Box 2659
Casper, Wyoming

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Operating Regulations with respect to (describe acreage to which this designation is applicable):

T37S-R24E
Section 9: NW/4
San Juan County, Utah

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the supervisor of any change in the designated operator.

DORCHESTER EXPLORATION, INC.

By:

Charles K. Popkess

(Signature of lessee)

Charles K. Popkess, Attorney-in-Fact

October 31, 1983

(Date)

1675 Larimer, Suite 600, Denver, CO 80202

(Address)



NOV 2 1983

Bureau of Land Management
Branch of Public Minerals
Salt Lake City, UT

SUPERVISOR, OIL AND GAS OPERATIONS:

DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of oil and gas lease

DISTRICT LAND OFFICE: Salt Lake City, Utah 84111
SERIAL No.: U-51275

and hereby designates

NAME: Marathon Oil Company
ADDRESS: P.O. Box 2659, Casper, Wyoming 82602

as his operator and local agent; with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Oil and Gas Operating Regulations with respect to (describe acreage to which this designation is applicable):


Township 37 South - Range 24 East, SLM
Section 9: N $\frac{1}{2}$ and SW $\frac{1}{4}$

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Oil and Gas Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the oil and gas supervisor of any change in the designated operator.

QUANTUM RESOURCES INC.



President (Signature of lessee)

c/o Tripet Resources Limited
Box 3500 - 1900-800-5th Avenue S.W.
Calgary, Alberta. T2P 2P9
Canada (Address)

10/20/83

(Date)

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Bureau of Land Management
Branch of Fluid Minerals
Salt Lake City, UT

CONFIDENTIAL

DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of lease

DISTRICT LAND OFFICE: Salt Lake City, Utah
SERIAL NO.: U-51275

and hereby designates

NAME: MARATHON OIL COMPANY
ADDRESS: P.O. Box 2659
CASPER, WYOMING 82602 ATTENTION: Mr. Carl Bassett
as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Operating Regulations with respect to (describe acreage to which this designation is applicable):

Township 37 South, Range 26 East, 6th P.M.
Section 9: N/2, SW/4

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the supervisor of any change in the designated operator.

ANDERSON-MYERS DRILLING COMPANY

Wm. J. Myers
(Signature of lessee)
Wm. J. Myers, President
Three Park Central
1515 Arapahoe - Suite 1075
Denver, Co. (Address) 80202

October 21, 1983
(Date)

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Branch of Fluid Minerals
Salt Lake City, UT

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DIVISION OF OIL, GAS AND MINING

SPODDING INFORMATIONNAME OF COMPANY: MARATHON OIL COMPANYWELL NAME: TANK CANYON 1-9SECTION SE NW 9 TOWNSHIP 37S RANGE 24E COUNTY San JuanDRILLING CONTRACTOR Energy SearchRIG # 1SPUDDED: DATE 11-15-83TIME 7:00 PMHow Rotary

DRILLING WILL COMMENCE _____

REPORTED BY Walt WestTELEPHONE # 307-577-1555DATE 11-18-83 SIGNED AS

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

CONFIDENTIAL

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☒ well gas ☐ well other ☐
2. NAME OF OPERATOR
Marathon Oil Company
3. ADDRESS OF OPERATOR
P.O. Box 2659 Casper, WY 82602
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 2,030' FNL & 1,830' FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>		<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>		<input type="checkbox"/>
(other)	Please see attachment		

5. LEASE
U-51275
6. INDIAN ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
Tank Canyon
9. WELL NO.
1-9
10. FIELD OR WILDCAT NAME
Wildcat
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 9, T37S, R24E
12. COUNTY OR PARISH
San Juan
13. STATE
Utah
14. API NO.
43-037-30948 (11-2-83)
15. ELEVATIONS (SHOW DF, KDB, AND WD)
5,224' GL, 5,237' KB

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

PROGRESS REPORT

From: 11-17-83 To: 12-1-83

CONFIDENTIAL

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED H. L. Guthrie TITLE Drilling Superintendent DATE 12-2-83

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

TANK CANYON #1-9

- 11-17-83 1,376' MADE 970' IN WINGATE FORMATION. MW 8.9, VIS 45. DRLG AHEAD, NO PROB.
- 11-18-83 1,516' MADE 140' IN CHINLE FORMATION. RUN DIL, SP, GR, CAL 1,516' TO SURFACE. RAN 38 JTS 9-5/8", N-80, 40# CSG W/SHOE @ 1,515'. CIRC 1 HR. CMTED W/310 SXS LITE FOLLOWED BY 265 SXS CL "B" NEAT. CIRC 47 BBLS CMT TO SURF. CIP @ 3:00 A.M. 7-18-83. PRESENTLY WOC.
- 11-19-83 1,516' MADE 0' IN CHINLE FORMATION. MW 8.4, VIS H₂O, NU BOPE. TST P. RAMS, B. RAMS, MANIFOLD, CHOKES & LINES & CHOKE, UPPER & LOWER KELLEY COCKS 200 PSI 10 MINS & 2,500 PSI - 15 MINS. TEST HYDRILL 1,500 PSI. PRESENTLY DRLG CMT.
- 11-20-83 2,059' MADE 279' IN SHINARUMP FORMATION. MW 9.2, VIS 44. TEST SHOE TO 13 PPG EMW. DRLG W/NO PROBLEMS.
- 11-21-83 2,432' MADE 337' IN CUTLER FORMATION. MW 9.9, VIS 42. DRLG.
- 11-22-83 2,823' MADE 391' IN CUTLER FORMATION. MW 9.9, VIS 44. DRLG W/NO PROBLEM.
- 11-23-83 3,292' MADE 469' IN CUTLER FORMATION. MW 9.7, VIS 46. DRLG W/NO PROBLEM.
- 11-24-83 3,742' MADE 450' IN CUTLER FORMATION. MW 9.7, VIS 44. DRLG AHEAD W/NO PROBLEM.
- 11-25-83 4,113' MADE 371' IN CUTLER FORMATION. MW 10.0, VIS 42. DRLG AHEAD W/NO PROBLEM.
- 11-26-83 4,204' MADE 91' IN CUTLER FORMATION. MW 10.2, VIS 52. DRLD TO 4,204'. POH. LOST 1 CONE. HAD 1" H₂O FLOW. RIH. WASH 15' TO FISH.
- 11-27-83 4,417' MADE 213' IN HONAKER TRAIL FORMATION. MW 10.2, VIS 40. FIN POH W/FINGER BASKET. REC CONE. DRLG W/NO PROBLEM.
- 11-28-83 4,698' MADE 281' IN HONAKER TRAIL FORMATION. MW 10.1, VIS 41. DRLG AHEAD W/NO PROBLEM.
- 11-29-83 4,940' MADE 242' IN HONAKER TRAIL FORMATION. MW 10.2+, VIS 43. DRLG AHEAD W/NO PROBLEM.
- 11-30-83 5,069' MADE 129' IN HONAKER TRAIL FORMATION. MW 10.1+, VIS 46. DRLD TO 5,069'. POH. WASH & REAM 60'.
- 12-1-83 5,082' MADE 13' IN HONAKER TRAIL FORMATION. MW 10.1, VIS 43. LOST 400# PMP PRESSURE. POH. RIH W/OS W/6-3/4" GRAPPLE. LATCH FISH. REC FISH. PRESENTLY DRLG AHEAD W/NO PROBLEM.

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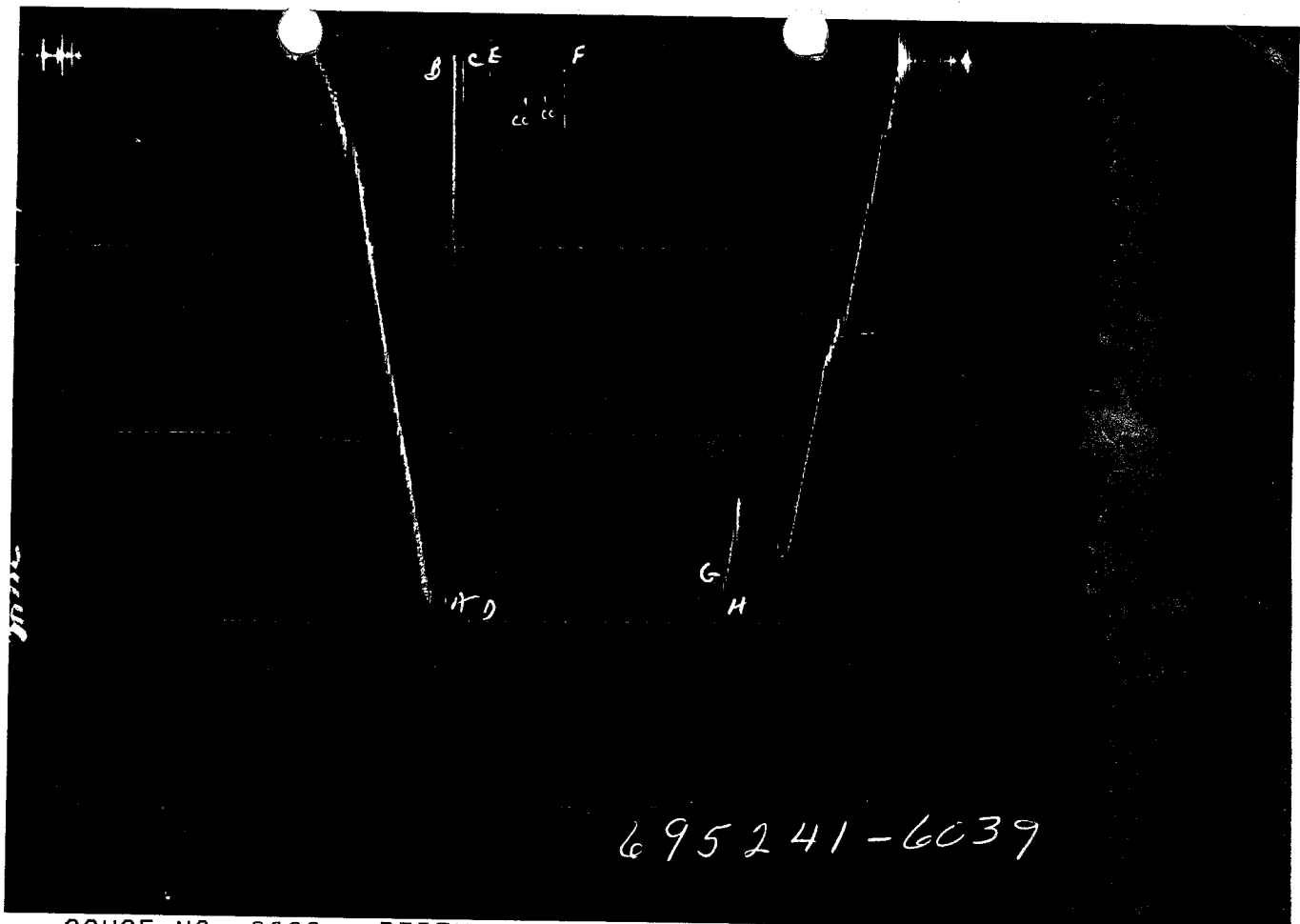
TICKET NO. 69524100
12-DEC-83
FARMINGTON

CONFIDENTIAL

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FORMATION TESTING SERVICE REPORT

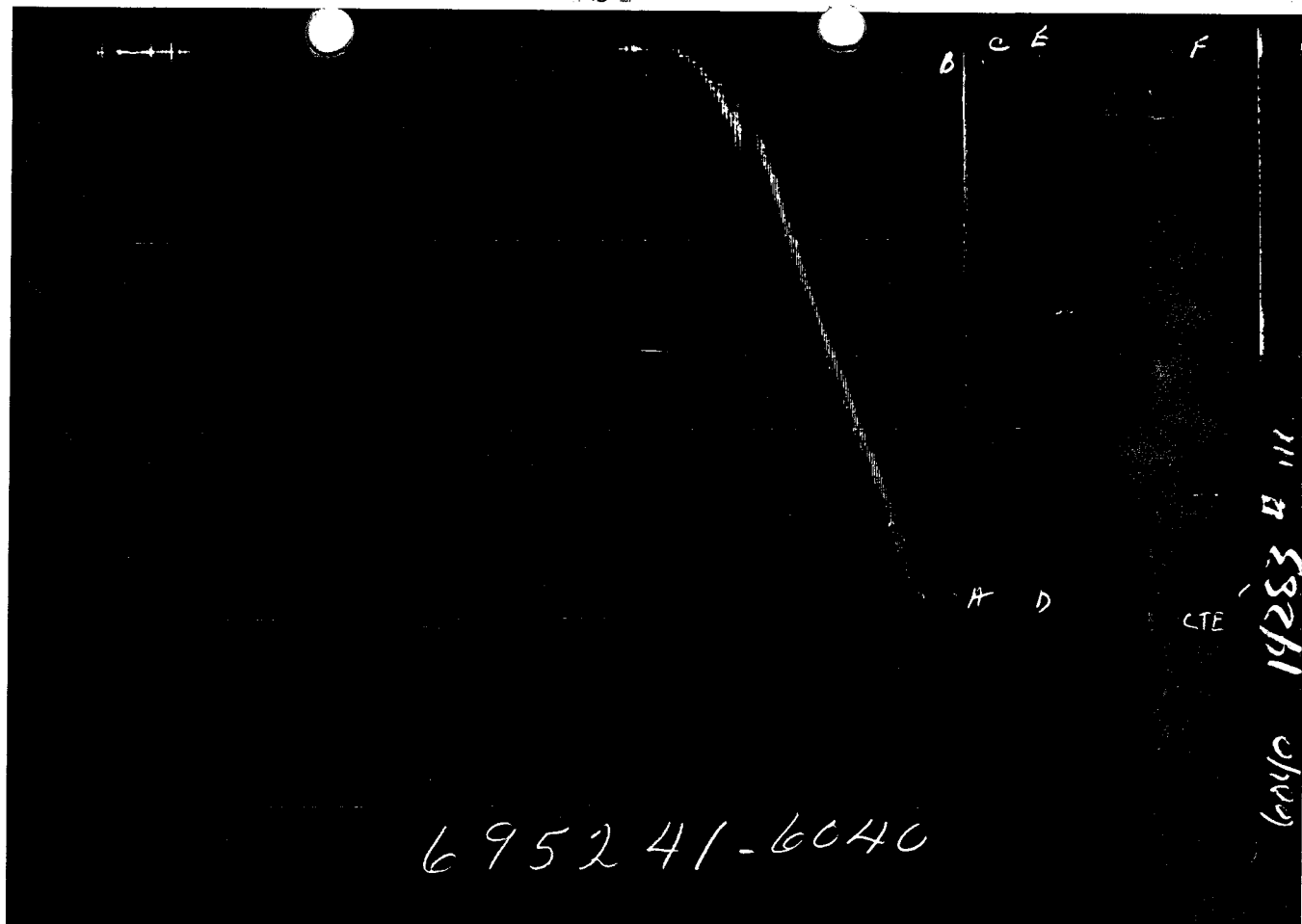
TANK CANYON	1-9	1	5082.1 - 5122.1	MARATHON OIL COMPANY
LEASE NAME	WELL NO.	TEST NO.	TESTED INTERVAL	LEASE OWNER/COMPANY NAME
LEGAL LOCATION SEC. - TWP. - RANG.	9-37S-24E	FIELD AREA	WILDCAT	COUNTY
				SAN JUAN
				STATE
				UTAH
				DR/IC



695241-6039

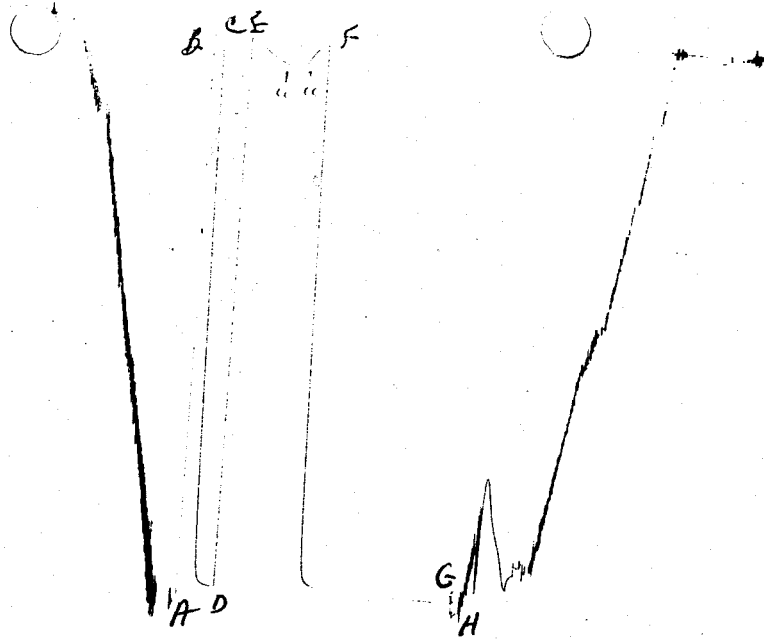
GAUGE NO: 6039 DEPTH: 5059.0 BLANKED OFF: NO HOUR OF CLOCK:

ID	DESCRIPTION	PRESSURE		TIME		TYF
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	2824	2869.5			
B	INITIAL FIRST FLOW	42	41.6			
C	FINAL FIRST FLOW	73	68.8	10.0	10.8	F
C	INITIAL FIRST CLOSED-IN	73	68.8			
D	FINAL FIRST CLOSED-IN	2778	2820.7	30.0	30.3	C
E	INITIAL SECOND FLOW	44	45.8			
F	FINAL SECOND FLOW	69	66.2	90.0	88.3	F
F	INITIAL SECOND CLOSED-IN	69	66.2			
G	FINAL SECOND CLOSED-IN	2779	2822.3	180.0	180.6	C
H	FINAL HYDROSTATIC	2824	2849.1			



GAUGE NO: 6040 DEPTH: 5064.0 BLANKED OFF: NO HOUR OF CLOCK: 12

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	2870	2873.4			
B	INITIAL FIRST FLOW	53	42.5	10.0	10.8	F
C	FINAL FIRST FLOW	67	68.5			
C	INITIAL FIRST CLOSED-IN	67	68.5	30.0	30.3	C
D	FINAL FIRST CLOSED-IN	2805	2823.6			
E	INITIAL SECOND FLOW	40	51.3	90.0	88.3	F
F	FINAL SECOND FLOW	67	64.7			
F	INITIAL SECOND CLOSED-IN	67	64.7	180.0		C
G	FINAL SECOND CLOSED-IN					
H	FINAL HYDROSTATIC					



695241-2033

GAUGE NO: 2033 DEPTH: 5119.0 BLANKED OFF: YES HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	2909	2906.7			
B	INITIAL FIRST FLOW	53	73.6			
C	FINAL FIRST FLOW	80	77.3	10.0	10.8	F
C	INITIAL FIRST CLOSED-IN	80	77.3			
D	FINAL FIRST CLOSED-IN	2828	2842.2	30.0	30.3	C
E	INITIAL SECOND FLOW	67	75.1			
F	FINAL SECOND FLOW	93	86.5	90.0	88.3	F
F	INITIAL SECOND CLOSED-IN	93	86.5			
G	FINAL SECOND CLOSED-IN	2828	2845.3	180.0	180.6	C
H	FINAL HYDROSTATIC	2895	2890.8			

EQUIPMENT & HOLE DATA

FORMATION TESTED: HONAKER TRAIL
 NET PAY (ft): _____
 GROSS TESTED FOOTAGE: 40.0
 ALL DEPTHS MEASURED FROM: KELLY BUSHING
 CASING PERFS. (ft): _____
 HOLE OR CASING SIZE (in): 8.750
 ELEVATION (ft): 5219
 TOTAL DEPTH (ft): 5122.0
 PACKER DEPTH(S) (ft): 5076, 5082
 FINAL SURFACE CHOKE (in): 0.406
 BOTTOM HOLE CHOKE (in): 0.750
 MUD WEIGHT (lb/gal): 10.70
 MUD VISCOSITY (sec): 43
 ESTIMATED HOLE TEMP. (°F): _____
 ACTUAL HOLE TEMP. (°F): 126 @ 5118.0 ft

TICKET NUMBER: 69524100

DATE: 12-2-83 TEST NO: 1

TYPE DST: OPEN HOLE

HALLIBURTON CAMP:
FARMINGTON

TESTER: W. A. KINCHELOE
D. GUNN

WITNESS: MARTY SMITH

DRILLING CONTRACTOR:
ENERGY SEARCH #1

FLUID PROPERTIES FOR RECOVERED MUD & WATER

SOURCE	RESISTIVITY	CHLORIDES
_____	_____ @ _____ °F	_____ ppm
_____	_____ @ _____ °F	_____ ppm
_____	_____ @ _____ °F	_____ ppm
_____	_____ @ _____ °F	_____ ppm
_____	_____ @ _____ °F	_____ ppm
_____	_____ @ _____ °F	_____ ppm

SAMPLER DATA

Pstg AT SURFACE: 70
 cu.ft. OF GAS: 0.51
 cc OF OIL: 0
 cc OF WATER: 0
 cc OF MUD: 0
 TOTAL LIQUID cc: 0

HYDROCARBON PROPERTIES

OIL GRAVITY (°API): _____ @ _____ °F
 GAS/OIL RATIO (cu.ft. per bbl): _____
 GAS GRAVITY: _____

CUSHION DATA

TYPE	AMOUNT	WEIGHT
_____	_____	_____
_____	_____	_____

RECOVERED:

NONE REPORTED

MEASURED FROM
TESTER VALVE

REMARKS:

CHART TIME EXPIRED ON GAUGE #6040 DURING THE FINAL CIP PERIOD.

TYPE & SIZE MEASURING DEVICE: FLOOR MANIFOLD					TICKET NO: 69524
TIME	CHOKE SIZE	SURFACE PRESSURE PSI	GAS RATE MCF	LIQUID RATE BPD	REMARKS
12-1-83					
2130					ON LOCATION
12-2-83					
0230					PICKED UP TOOLS
0330					WAITED ON ANOTHER TOOL
0820					STARTED IN HOLE
1100	1/8" BH				OPENED TOOL WITH STRONG BUBBLE
1102	"	4			BOTTOM OF BUCKET BLOW
1104	"	12			"
1106	"	20			"
1108	"	26			"
1110	"	38			CLOSED TOOL
1125					GAS AT BLEED OFF LINE
1143	1/8"				OPENED TOOL
1145	"	37			GOOD FLARE
1153	"	64			"
1200	"	80			"
1215	"	120			"
1228	1/8"	145			CHANGED TO 1/4" CHOKE
1230	1/4"	142			GOOD FLARE
1235	1/4"	135			"
1247	"	123			CHANGED TO 26/64" CHOKE
1250	26/64"	90			GOOD FLARE
1300	"	45			"
1305	"	37			"
1310	"	32			CLOSED TOOL
1610					PICKED UP AND OPENED BYPASS
1620					TRIPPED OUT
1640					SHUT DOWN TO REVERSE OUT
1720					FINISHED REVERSING-SAW NO SIGNS
					OF OIL OR WATER
2020					DRAINED SAMPLER
2130					LAID TOOLS DOWN

TICKET NO: 69524100

CLOCK NO: 14128 HOUR: 24



GAUGE NO: 6039

DEPTH: 5059.0

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
FIRST FLOW					
B 1	0.0	41.6			
2	2.0	39.1	-2.4		
3	4.0	43.7	4.6		
4	6.0	51.5	7.8		
5	8.0	59.1	7.6		
C 6	10.8	68.8	9.7		
FIRST CLOSED-IN					
C 1	0.0	68.8			
[1] 2	9.5	2784.5	2715.7	5.1	0.331
3	10.0	2789.7	2721.0	5.2	0.319
4	12.0	2803.8	2735.0	5.7	0.280
5	14.0	2808.9	2740.2	6.1	0.249
6	16.0	2812.0	2743.3	6.5	0.224
7	18.0	2814.7	2746.0	6.8	0.204
8	20.0	2816.2	2747.4	7.0	0.188
9	22.0	2817.4	2748.7	7.3	0.174
10	24.0	2818.4	2749.6	7.5	0.161
11	26.0	2819.6	2750.8	7.6	0.151
12	28.0	2820.3	2751.5	7.8	0.142
D 13	30.3	2820.7	2751.9	8.0	0.133
SECOND FLOW					
E 1	0.0	45.8			
2	5.0	51.5	5.6		
3	10.0	71.7	20.2		
4	15.0	97.1	25.3		
5	20.0	117.6	20.5		
6	25.0	134.9	17.3		
7	30.0	149.6	14.7		
8	35.0	163.1	13.5		
9	40.0	176.0	12.9		
10	45.0	187.3	11.3		
[2] 11	47.2	189.3	2.0		
12	50.0	185.5	-3.8		
13	55.0	179.5	-6.0		
14	60.0	173.9	-5.6		
15	65.0	172.9	-0.9		
[2] 16	65.7	169.4	-3.5		
17	70.0	124.4	-45.0		
18	75.0	97.6	-26.8		
19	80.0	81.1	-16.5		
20	85.0	70.8	-10.3		
F 21	88.3	66.2	-4.6		

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
SECOND CLOSED-IN					
F 1	0.0	66.2			
[1] 2	3.3	1838.7	1772.5	3.2	1.493
3	4.0	2149.3	2083.1	3.8	1.413
4	5.0	2387.5	2321.2	4.8	1.318
5	6.0	2543.2	2477.0	5.7	1.243
6	7.0	2651.9	2585.7	6.5	1.180
7	8.0	2708.4	2642.2	7.4	1.125
8	9.0	2742.3	2676.1	8.2	1.081
9	10.0	2757.7	2691.5	9.1	1.038
10	12.0	2771.5	2705.3	10.7	0.968
11	14.0	2778.0	2711.8	12.3	0.907
12	16.0	2782.7	2716.5	13.8	0.856
13	18.0	2786.1	2719.9	15.2	0.813
14	20.0	2788.6	2722.4	16.7	0.774
15	22.0	2790.4	2724.2	18.0	0.741
16	24.0	2792.6	2726.3	19.3	0.710
17	26.0	2794.2	2728.0	20.6	0.682
18	28.0	2795.5	2729.3	21.9	0.657
19	30.0	2797.0	2730.8	23.0	0.634
20	35.0	2800.4	2734.2	25.9	0.583
21	40.0	2802.6	2736.3	28.5	0.541
22	45.0	2804.7	2738.5	31.0	0.505
23	50.0	2806.2	2740.0	33.2	0.475
24	55.0	2808.0	2741.8	35.4	0.447
25	60.0	2809.2	2743.0	37.4	0.423
26	70.0	2811.5	2745.3	41.0	0.383
27	80.0	2813.4	2747.2	44.3	0.350
28	90.0	2814.6	2748.4	47.2	0.322
29	100.0	2816.2	2750.0	49.8	0.299
30	110.0	2816.4	2750.1	52.1	0.279
31	120.0	2818.2	2752.0	54.3	0.261
32	135.0	2819.1	2752.8	57.1	0.239
33	150.0	2819.6	2753.4	59.7	0.220
34	165.0	2820.7	2754.5	61.9	0.204
G 35	180.6	2822.3	2756.1	64.0	0.190

LEGEND:

[1] STAIR STEPS

[2] CHOKE CHANGE

REMARKS:

TICKET NO: 69524100

CLOCK NO: 14283 HOUR: 12



GAUGE NO: 6040

DEPTH: 5064.0
















REF	MINUTES	PRESSURE	AP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
FIRST FLOW					
B 1	0.0	42.5			
2	2.0	38.4	-4.0		
3	4.0	42.9	4.4		
4	6.0	50.4	7.5		
5	8.0	57.9	7.5		
C 6	10.8	68.5	10.6		
FIRST CLOSED-IN					
C 1	0.0	68.5			
<input checked="" type="checkbox"/> 2	2.3	1373.1	1304.6	1.9	0.752
3	3.0	1716.2	1647.7	2.3	0.666
4	4.0	2040.1	1971.6	2.9	0.570
5	5.0	2309.2	2240.6	3.4	0.501
6	6.0	2520.5	2451.9	3.9	0.448
7	7.0	2629.0	2560.4	4.2	0.407
8	8.0	2717.5	2648.9	4.6	0.373
9	9.0	2767.6	2699.1	4.9	0.343
10	10.0	2790.1	2721.6	5.2	0.318
11	12.0	2805.8	2737.3	5.7	0.280
12	14.0	2810.8	2742.3	6.1	0.249
13	16.0	2815.2	2746.6	6.5	0.224
14	18.0	2816.1	2747.6	6.8	0.204
15	20.0	2818.2	2749.6	7.0	0.188
16	22.0	2819.2	2750.7	7.3	0.174
17	24.0	2820.1	2751.5	7.5	0.162
18	26.0	2821.0	2752.5	7.6	0.151
19	28.0	2821.8	2753.3	7.8	0.142
D 20	30.3	2823.6	2755.0	8.0	0.133
SECOND FLOW					
E 1	0.0	51.3			
2	5.0	54.4	3.1		
3	10.0	75.8	21.4		
4	15.0	98.5	22.7		
5	20.0	119.1	20.6		
6	25.0	134.7	15.6		
7	30.0	148.4	13.7		
8	35.0	162.0	13.6		
9	40.0	173.5	11.6		
10	45.0	184.7	11.2		
<input checked="" type="checkbox"/> 11	47.2	185.6	0.9		
12	50.0	183.5	-2.2		
13	55.0	176.6	-6.9		
14	60.0	171.6	-5.0		
15	65.0	169.4	-2.3		
<input checked="" type="checkbox"/> 16	65.7	167.1	-2.3		
17	70.0	123.8	-43.3		

REF	MINUTES	PRESSURE	AP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
SECOND FLOW - CONTINUED					
18	75.0	96.1	-27.7		
19	80.0	80.0	-16.1		
20	85.0	69.5	-10.5		
F 21	88.3	64.7	-4.8		
SECOND CLOSED-IN					
F 1	0.0	64.7			
2	1.0	589.5	524.9	1.0	1.0
3	2.0	1008.2	943.5	2.0	1.0
4	3.0	1413.3	1348.7	2.9	1.0
5	4.0	1791.5	1726.8	3.8	1.0
6	5.0	2113.5	2048.9	4.7	1.0
7	6.0	2360.9	2296.3	5.7	1.0
8	7.0	2527.9	2463.3	6.6	1.0
9	8.0	2633.2	2568.5	7.4	1.0
10	9.0	2704.7	2640.1	8.2	1.0
11	10.0	2742.3	2677.6	9.1	1.0
12	12.0	2767.3	2702.7	10.7	0.9
13	14.0	2777.8	2713.1	12.3	0.9
14	16.0	2782.4	2717.7	13.7	0.8
15	18.0	2786.6	2721.9	15.2	0.8
16	20.0	2789.2	2724.5	16.6	0.7
17	22.0	2791.3	2726.7	18.0	0.7
18	24.0	2793.2	2728.6	19.3	0.7
19	26.0	2796.2	2731.6	20.6	0.6
20	28.0	2797.6	2732.9	21.8	0.6
21	30.0	2798.8	2734.1	23.0	0.6
22	35.0	2802.4	2737.8	25.9	0.5
<input checked="" type="checkbox"/> 23	36.6	2802.4	2737.8	26.7	0.5
G 24	NO DATA FOR THIS POINT				

LEGEND:

☒ CHOKE CHANGE☒ CHART TIME EXPIRED

REMARKS:

		O.D.	I.D.	LENGTH	DEPTH	
1		DRILL PIPE.....	4.500	3.826	4222.0	
3		DRILL COLLARS.....	6.250	2.250	761.0	
50		IMPACT REVERSING SUB.....	6.000	3.000	1.0	4985.5
3		DRILL COLLARS.....	6.250	2.250	60.0	
5		CROSSOVER.....	6.000	3.000	1.0	
13		DUAL CIP SAMPLER.....	5.030	0.750	7.5	
60		HYDROSPRING TESTER.....	5.000	0.750	5.0	5054.0
80		AP RUNNING CASE.....	5.000	2.250	5.0	5059.0
80		AP RUNNING CASE.....	5.000	2.250	4.0	5064.0
15		JAR.....	5.030	1.750	5.0	
16		VR SAFETY JOINT.....	5.000	1.000	3.0	
70		OPEN HOLE PACKER.....	7.750	1.530	6.0	5076.0
70		OPEN HOLE PACKER.....	7.750	1.530	6.0	5082.0
20		FLUSH JOINT ANCHOR.....	5.750	3.000	34.0	
81		BLANKED-OFF RUNNING CASE.....	5.750		4.0	5119.0
TOTAL DEPTH					5122.0	

EQUIPMENT DATA

EQUATIONS FOR DST LIQUID WELL ANALYSIS

Transmissibility	$\frac{kh}{\mu} = \frac{162.6 Q_B}{m}$	$\frac{\text{md-ft}}{\text{cp}}$
------------------	--	----------------------------------

Indicated Flow Capacity	$kh = \frac{kh}{\mu} \mu$	md-ft
-------------------------	---------------------------	-------

Average Effective Permeability	$k = \frac{kh}{h}$	md
--------------------------------	--------------------	----

Damage Ratio	$DR = .183 \frac{P^* - P_f}{m}$	—
--------------	---------------------------------	---

Theoretical Potential w/ Damage Removed	$Q_1 = Q DR$	BPD
---	--------------	-----

Approx. Radius of Investigation	$r_i = 4.63 \sqrt{kt}$	ft
---------------------------------	------------------------	----

EQUATIONS FOR DST GAS WELL ANALYSIS

Indicated Flow Capacity	$kh = \frac{1637 Q_g T}{m}$	md-ft
-------------------------	-----------------------------	-------

Average Effective Permeability	$k = \frac{kh}{h}$	md
--------------------------------	--------------------	----

Skin Factor	$S = 1.151 \left[\frac{m(P^*) - m(P_f)}{m} - \text{LOG} \frac{kt}{\phi \mu c_t r_w^2} + 3.23 \right]$	—
-------------	--	---

Damage Ratio	$DR = \frac{m(P^*) - m(P_f)}{m(P^*) - m(P_f) - 0.87 mS}$	—
--------------	--	---

Indicated Flow Rate (Maximum)	$AOF_1 = \frac{Q_g m(P^*)}{m(P^*) - m(P_f)}$	MCFD
-------------------------------	--	------

Indicated Flow Rate (Minimum)	$AOF_2 = Q_g \sqrt{\frac{m(P^*)}{m(P^*) - m(P_f)}}$	MCFD
-------------------------------	---	------

Approx. Radius of Investigation	$r_i = 0.032 \sqrt{\frac{kt}{\phi \mu c_t}}$	ft
---------------------------------	--	----

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☒ well gas ☐ well other ☐
2. NAME OF OPERATOR
Marathon Oil Company
3. ADDRESS OF OPERATOR
P.O. Box 2659 Casper, WY 82602
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 2,030' FNL & 1,830' FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>		<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>		<input type="checkbox"/>
(other)	Please see attachment		

5. LEASE
U-51275
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
Tank Canyon
9. WELL NO.
1-9
10. FIELD OR WILDCAT NAME
Wildcat
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 9, T37S, R24E
12. COUNTY OR PARISH
San Juan
13. STATE
Utah
14. API NO.
43-037-30948 (11-2-83)
15. ELEVATIONS (SHOW DF, KDB, AND WD)
5,224' GL, 5,237' KB

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

CONFIDENTIAL

PROGRESS REPORT

From: 12-2 To: 12-15

RECEIVED
DEC 29 1983

**DIVISION OF
OIL, GAS & MINING**

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED James A. Newberry TITLE Drilling Superintendent DATE December 21, 1983

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

TANK CANYON #1-9

12-2-83 5,122' MW 10.6+, VIS 42, POH FOR DST #1. PU DST TOOLS.

12-3-83 5,146' MW 10.7, VIS 42, RIH W/DST #1. SET PKRS @ 5,076 AND 5,082.

12-4-83 5,230' MW 10.7, VIS 44, WL 8.6, DRLD TO 5,230 LOST PUMP PRESS, POH SS PARTED.

12-5-83 5,289' MW 10.6+, VIS 44, LATCH FISH. REC FOSH. INSPECT ALL DC'S AND SUBS. O.K.

12-6-83 5,334' MW 10.8, VIS 41.

12-7-83 5,400' MW 10.7+, VIS 46, CORED TO 5,383'. CBU. POH. LD CORE #1.

12-8-83 5,443' MW 10.7, VIS 42, CORED TO 5,443'. CBU. POH. LD CORE. REC 58'.

12-9-83 5,578' MW 10.8, VIS 46.

12-10-83 5,617' MW 10.7+, VIS 45, CORED 5,578'-5,617'.

12-11-83 5,679' MW 10.7+, VIS 44, FIN CORING TO 5,638'. POH. LD CORE. REC 58'.

12-12-83 5,688' MW 10.7+, VIS 47, RU LOGGERS. RUN #1: DIL-GR; RUN #2: BHC-SONIC-CAL-GR; RUN #3: FDC-CNL-CYBERLOOK; RUN #4: FIL. RD LOGGERS. RIH W/BIT FOR CLEAN OUT RUN. CBU. POH. PRESENTLY WO LOGGERS.

12-13-83 5,688' PRESENTLY RUNNING CHECK SHOT LOG.

12-14-83 5,688' FIN LOGGING. RIH. PU 26 JTS DP. CMT BTM PLUG 5,285'-5,688' W/144 SXS CL "B" CMT.

12-15-83 5,688' CMT 5,285'-4,950', 1,715'-1,315'. RELEASED RIG @ 6:00 P.M. ON 12-14-83. FINAL REPORT.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

U-51275 ✓

8. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Tank Canyon

9. WELL NO.

1-9

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA

Section 9, T37S, R24E

12. COUNTY OR PARISH 13. STATE

San Juan

Utah

SUNDRY NOTICES AND REPORTS ON WELLS
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☐ OTHER ☒ Plugged & Abandoned

2. NAME OF OPERATOR

Marathon Oil Company

3. ADDRESS OF OPERATOR

P.O. Box 2659, Casper, WY 82602

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

2,030' FNL & 1,830' FWL

14. PERMIT NO. (11-2-83)

43-037-30948

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

5,224' GL, 5,237' KB

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other) ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETION ☐

ABANDON* ☐

CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) ☐

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT* ☒

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

In accordance with oral approval to plug and abandon the above captioned well, the following plugging procedure was completed 12-15-83.

Casing: 9-5/8", 40#, N-80, LTC 8rd, set at 1,515'.

Bottom Plug: 5,688' to 5,285'; pumped 144 sacks Class "B" Cement.

2nd Plug: 5,285' to 4,950'; pumped 144 sacks Class "B" Cement.

3rd Plug: 1,715' to 1,315'; pumped 174 sacks Class "B" Cement.

Top Plug: 100' to Surface; pumped 36 sacks Class "B" Cement.

Set Dry Hole marker, fenced pit, cleaned trash, filled trash and sanitation holes.

Released rig @ 6:00 p.m., 12-14-83. Work completed 12-15-83.

Approval was given to Guy Whitlock, MOC, by Bill Martens, BLM, December 9, 1983.

**APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING**

DATE: 1/3/84

BY: [Signature]

18. I hereby certify that the foregoing is true and correct

SIGNED Doyle L. Jones

District
TITLE Operations Manager

DATE January 3, 1984

(This space for Federal or State office use)

APPROVED BY _____

CONDITIONS OF APPROVAL, IF ANY: _____

TITLE _____

DATE _____

*See Instructions on Reverse Side

CONFIDENTIAL
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☒ Other ☐
b. TYPE OF COMPLETION: NEW WELL ☐ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other ☐ Plugged & Abandoned

2. NAME OF OPERATOR

Marathon Oil Company

3. ADDRESS OF OPERATOR

P.O. Box 2659, Casper, WY 82602

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 2,030' FNL & 1,830' FWL

At top prod. interval reported below

At total depth

SE NW

**DIVISION OF
OIL, GAS & MINING**

14. PERMIT NO. 43-037-30948 | DATE ISSUED 11-2-83

5. LEASE DESIGNATION AND SERIAL NO.

U-51275

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Tank Canyon

9. WELL NO.

1-9

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Section 9, T37S, R24E

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

15. DATE SPUDDED 11-15-83 | 16. DATE T.D. REACHED 12-14-83 | 17. DATE COMPL. (Ready to prod.) 12-15-83 | 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5,224' GL, 5,237' KB | 19. ELEV. CASINGHEAD --

20. TOTAL DEPTH, MD & TVD 5,688' KB | 21. PLUG BACK T.D., MD & TVD Surface | 22. IF MULTIPLE COMPL., HOW MANY* -- | 23. INTERVALS DRILLED BY ROTARY TOOLS 0' - 5,688' | CABLE TOOLS 0'

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)* None | 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN Please see attached information sheet | 27. WAS WELL CORED Yes

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8"	40#	1,515'	12-1/4"	575	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
		None				None	

31. PERFORATION RECORD (Interval, size and number)

None

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
	None

33.* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
						P & A	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
			→				
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
		→					

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

Additional Information Sheets - 2

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Doyle L. Jones

TITLE

District Operations Manager

DATE

January 3, 1984

*(See Instructions and Spaces for Additional Data on Reverse Side)

ALL MEASUREMENTS KB

DRILLER'S FORMATION TOPS

Shinarump	2,025'
Cutler	2,140'
Honaker Trail	4,205'
Paradox	5,105'
Upper Ismay	5,262'
Desert Creek	5,546'
Akah	5,680'
TD	5,688'

CORES

Core #1	From 5,323' to 5,383'	Recovered 60'
Core #2	From 5,383' to 5,443'	Recovered 60'
Core #3	From 5,580' to 5,640'	Recovered 60'

LOGS

11/18/83	DIL. SP. GR
12/12/83	DIL-GR
12/12/83	BHC-SONIC
12/12/83	CAL-GR
12/12/83	EDC-CNL
12/12/83	CYBERLOOK-FIL
12/13/83	BOREHOLE GRAVITY METER, CHECK SHOT

DRILL STEM TEST

DST #1

Date: 12/3/83
Depth: 5,146'
Formation: Paradox
Packers set at 5,076' and 5,082'
IF 10 min. ISI 30 min. FF 90 min. FSI 180 min.
Surface Pressures on 1/8" choke: IF 30#, FF 37#-145#
Bottom Chart: IF 53#-80#, ISI 2,828#, IHP 2,909#,
FF 67#-93#, FSI 2,828#, FHP 2,895#,
BHT 126°F
Sample chamber contained no fluid.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPL
(Other instructions
verse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER Rehabilitation of Abandoned Well Site		5. LEASE DESIGNATION AND SERIAL NO. U-51275	
2. NAME OF OPERATOR Marathon Oil Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR P.O. Box 2659, Casper, WY 82602		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 2030' FNL & 1830' FWL		8. FARM OR LEASE NAME Tank Canyon	
14. PERMIT NO. 11-2-83 43-037-30948		9. WELL NO. 1-9	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5204' GL, 5237' KB		10. FIELD AND POOL, OR WILDCAT Wildcat	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 9, T37S, R24E	
		12. COUNTY OR PARISH San Juan	13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) Please See Below	X

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) _____	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Rehab work started on June 18, 1984 and finished June 30, 1984.
Surface soil and top soil was redistributed. Area was seeded as per BLM specifications and rocks were pushed and distributed over the area.

Mr. Brian Wood, BLM was on location and approved the rehab work June 29, 1984.

RECEIVED

AUG 6 1984

DIVISION OF OIL
GAS & MINING

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 8/6/84
BY: [Signature]

18. I hereby certify that the foregoing is true and correct

SIGNED [Signature] TITLE District Operations Manager DATE August 2, 1984

(This space for Federal or State office use)

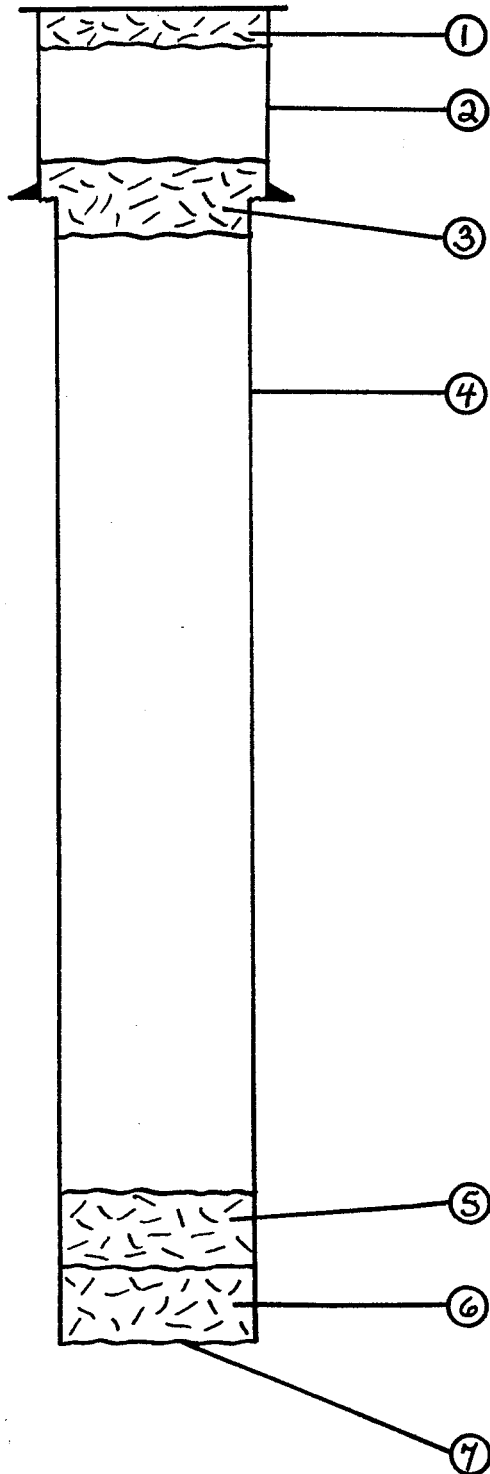
APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

JRW / 8/2/84

TANK CANYON #1-9

"PLUGGED AND ABANDONED"
ALL MEASUREMENTS KB



DESCRIPTION

1. Cement Plug - 36 Sacks - From 100' to Surface
2. 9 5/8" 40# N-80 Casing set at 1,515'
3. Cement Plug - 174 Sacks - From 1,715' to 1,315'
4. 8 3/4" Open Hole
5. Cement Plug - 144 Sacks - From 5,285' to 4,950'
6. Cement Plug - 144 Sacks - From 5,688' to 5,285'
7. TD 5,688'

Listed below are all the companies involved at Tank Canyon and their respective interest in Section 9.

<u>COMPANY</u>	<u>% INTEREST</u>
Duncan Exploration Company	
Vincent J. Duncan	
Raymond T. Duncan	50.0000%
J. Walter Duncan, Jr.	
Tricentrol Resources, Inc.	16.6667
Dorchester Exploration, Inc.	16.6667
Quantum Resources, Inc.	11.1111
Anderson-Myers Drilling Co.	5.5555
TOTAL	100.0000%

FMK Jee

MARATHON OIL COMPANY
TANK CANYON 1-9
WILDCAT
SAN JUAN COUNTY, UTAH

DATE : 8-DEC-83
FORMATION : AS NOTED
DRLO. FLUID: WATER BASE MUD
LOCATION : SE NW SEC. 9-T37S-R24E

FILE NO : 3803-3312
ANALYSTS : GG:DG
ELEVATION: 5237 KB

FULL DIAMETER CORE ANALYSIS--BOYLE'S LAW POROSITY PRELIMINARY REPORT

SAMPLE NUMBER	DEPTH	PERM. TO AIR (MD) MAXIMUM	90 DEG	POR. He	FLUID OIL	SATS. WTR	BRAIN DEN	DESCRIPTION
ISMAY FORMATION								
1	5323.0-24.0	<0.01	*	1.1	0.0	29.5	2.69	
2	5324.0-25.0	<0.01	*	1.9	0.0	27.9	2.74	
3	5325.0-26.0	<0.01	*	2.4	0.0	41.6	2.76	
4	5326.0-27.0	<0.01	*	2.6	0.0	59.4	2.78	
5	5327.0-28.0	<0.01	*	2.1	0.0	64.2	2.81	
6	5328.0-29.0	<0.01	*	1.7	0.0	60.0	2.71	
7	5329.0-30.0	0.22	*	1.4	0.0	35.9	2.72	
8	5330.0-31.0	<0.01	*	1.9	0.0	54.3	2.72	
9	5331.0-32.0	<0.01	*	1.9	0.0	64.2	2.73	
10	5332.0-33.0	<0.01	*	2.4	0.0	64.5	2.74	
11	5333.0-34.0	<0.01	*	2.9	0.0	78.1	2.75	
	5334.0-95.0							ANHYDRITE--NO ANALYSIS
	5395.0-96.0							ANHYDRITE/SHALE--NO ANALYSIS
12	5396.0-97.0	0.32	0.23	7.9	16.2	64.8	2.80	
13	5397.0-98.0	0.31	0.13	7.2	8.9	71.1	2.80	
14	5398.0-99.0	0.01	*	6.9	7.7	65.4	2.80	
15	5399.0-00.0	0.02	*	9.0	7.9	72.9	2.79	
16	5400.0-01.0	0.39	0.31	8.4	1.7	74.6	2.80	
17	5401.0-02.0	0.22	0.18	9.7	3.9	77.3	2.79	
18	5402.0-03.0	0.23	0.13	4.9	6.0	76.0	2.79	
19	5403.0-04.0	0.01	*	2.4	18.1	36.1	2.77	
20	5404.0-05.0	<0.01	*	0.8	0.0	38.0	2.73	
21	5405.0-06.0	1.00	*	0.9	0.0	44.5	2.72	
22	5406.0-07.0	<0.01	*	0.7	7.6	30.3	2.73	
23	5407.0-08.0	0.03	*	0.8	10.9	43.8	2.73	

ANHYDRITE--NO ANALYSIS
ANHYDRITE/SHALE--NO ANALYSIS

These analyses, opinions or interpretations are based on observations and materials supplied by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories, Inc. (all errors and omissions excepted); but Core Laboratories, Inc. and its officers and employees, assume no responsibility and make no warranty or representations, as to the productivity, proper operations, or profitableness of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

MARATHON OIL COMPANY
TANK CANYON 1-9DATE : 8-DEC-83
FORMATION : AS NOTEDFILE NO : 3803-3312
ANALYSTS : GGD:DS

FULL DIAMETER CORE ANALYSIS--BOYLE'S LAW POROSITY

SAMPLE NUMBER	DEPTH	PERM. TO MAXIMUM	AIR (MD) 90 DEG	POR. He	FLUID OIL	SATS. WTR	GRAIN DEN	DESCRIPTION
24	5408.0-09.0	<0.01	*	0.7	0.0	53.5	2.71	
25	5409.0-10.0	0.27	*	1.5	0.0	53.0	2.74	
26	5410.0-11.0	<0.01	*	4.0	0.0	53.1	2.78	
27	5411.0-12.0	0.04	*	10.1	5.8	72.8	2.81	
28	5412.0-13.0	<0.01	*	6.9	0.0	56.8	2.87	
29	5413.0-14.0	<0.01	*	7.3	0.0	52.1	2.84	
30	5414.0-15.0	0.21	*	9.6	1.5	68.2	2.92	
31	5415.0-16.0	0.04	*	3.5	0.0	48.0	2.84	
32	5416.0-17.0	0.01	*	3.5	0.0	45.8	2.82	
33	5417.0-18.0	<0.01	*	4.7	6.9	82.7	2.79	
34	5418.0-19.0	<0.01	*	4.1	2.3	72.8	2.78	
35	5419.0-20.0	<0.01	*	2.1	9.4	37.8	2.74	
36	5420.0-21.0	0.01	*	1.1	9.4	37.7	2.69	
37	5421.0-22.0	<0.01	*	0.5	0.0	19.1	2.69	
38	5422.0-23.0	5.80	*	1.4	15.9	31.7	2.71	
39	5423.0-24.0	<0.01	*	0.5	11.2	22.5	2.71	
40	5424.0-25.0	0.01	*	0.6	0.0	23.3	2.71	
41	5425.0-26.0	0.01	*	0.7	0.0	41.6	2.71	
42	5426.0-27.0	0.01	*	0.8	0.0	35.3	2.70	
43	5427.0-28.0	0.01	*	0.9	12.1	48.4	2.71	
44	5428.0-29.0	0.02	*	0.7	15.4	30.7	2.71	
45	5429.0-30.0	<0.01	*	1.1	0.0	66.7	2.71	
46	5430.0-31.0	<0.01	*	0.6	16.0	32.0	2.70	
47	5431.0-32.0	<0.01	*	1.0	0.0	52.2	2.70	
48	5432.0-33.0	0.03	*	3.5	0.0	54.9	2.79	
49	5433.0-34.0	0.02	*	1.3	10.3	41.3	2.70	
50	5434.0-35.0	<0.01	*	1.2	18.1	36.1	2.70	
51	5435.0-36.0	<0.01	*	0.4	0.0	34.3	2.70	
52	5436.0-37.0	<0.01	*	1.2	0.0	36.3	2.70	
	5437.0-41.0							SHALE--NO ANALYSIS

These analyses, opinions or interpretations are based on observations and materials supplied by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories, Inc. (all errors and omissions excepted); but Core Laboratories, Inc. and its officers and employees, assume no responsibility and make no warranty or representations as to the productivity, proper operations, or profitability of any oil, gas or other mineral well or used in connection with which such report is used or relied upon.

12/13/83

01:54

T. DPT. CSP. WY.

82

CARL BASSER

10F2

CORE LABORATORIES, INC.
 Petroleum Reservoir Engineering
 DALLAS, TEXAS

PAGE NO. 3

MARATHON OIL COMPANY

TANK CANYON 1-9
 WILDCAT
 SAN JUAN COUNTY

FORMATION : PARADOX
 ORIG. FLUID: WRM
 LOCATION : SE, NW SEC. 9-37B-24E
 STATE : UTAH

DATE : 12-8-83
 FILE NO. : 9803-003312
 ANALYSTS : OG:DS
 ELEVATION: 5237' KB

CONVENTIONAL CORE ANALYSIS - BOYLE'S LAW HELIUM POROSITY

NO.	DEPTH	PERM. TO AIR (MD)	POR.	FLUID SATS.	GR.	DESCRIPTION
		HORZ. VERTICAL	B.L.	OIL WATER	DNS.	
49	5433-34	0.02	1.3	19.3 41.3	2.70	
50	5434-35	<0.01	1.2	19.1 36.1	2.70	
51	5435-36	<0.01	0.4	0.0 34.3	2.70	
52	5436-37	<0.01	1.2	0.0 36.3	2.70	
	5437-5441					SHALE - NO ANALYSIS
	5441-5443					CORE LOSS
	5443-5580					DRILLED
	5580-5581					ANHYDRITE - NO ANALYSIS
53	5581-82	<0.01	3.5	3.2 75.6		
54	5582-83	<0.01	6.3	0.0 76.1		
55	5583-84	<0.01	4.9	2.2 87.3		
56	5584-85	<0.01	5.7	0.0 80.8		
	5585-5589					SHALE - NO ANALYSIS
57	5589-90	0.07	3.6	0.0 81.5		
58	5590-91	<0.01	11.8	0.8 90.8		
59	5591-92	<0.01	1.9	0.0 81.7		
60	5592-93	<0.01	3.4	0.0 89.0		
61	5593-94	<0.01	3.8	0.0 79.1		
62	5594-95	<0.01	4.3	0.0 80.0		
63	5595-96	0.59	3.5	0.0 85.0		
64	5596-97	<0.01	4.2	2.6 86.9		
65	5597-98	<0.01	3.4	3.2 82.8		
	5598-5614					ANHYDRITE - NO ANALYSIS
	5614-5616					SHALE - NO ANALYSIS
66	5616-17	<0.01	4.5	0.0 67.5	2.75	

CARL BASSET 2 of 2

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

MARATHON OIL COMPANY

TANK CANYON 1-9
WILDCAT
SAN JUAN COUNTY

FORMATION : PARADOX
DRLG. FLUID: WBM
LOCATION : SE, NW SEC. 9-37S-24E
STATE : UTAH

DATE : 12-8-83
FILE NO. : 3803-003312
ANALYSTS : GG:DS
ELEVATION: 5237 KB

CONVENTIONAL CORE ANALYSIS - BOYLE'S LAW HELIUM POROSITY

SAMP. NO.	DEPTH	PERM. TO AIR (MD) HORZ. VERTICAL	POR. B.L.	FLUID SATS. OIL WATER	GR. DNS.	DESCRIPTION
67	5617-18	0.02	4.1	3.9 71.0	2.73	
68	5618-19	<0.01	2.3	5.0 59.8	2.73	
69	5619-20	0.01	2.1	6.1 49.0	2.72	
70	5620-21	0.01	4.4	3.9 70.9	2.76	
71	5621-22	<0.01	3.8	0.0 66.5	2.75	
72	5622-23	<0.01	2.0	0.0 75.3	2.72	
73	5623-24	<0.01	3.0	0.0 73.6	2.72	
74	5624-25	<0.01	3.9	0.0 79.9	2.74	
75	5625-26	<0.01	4.6	0.0 80.6	2.73	
76	5626-27	<0.01	4.1	16.4 65.4	2.71	
77	5627-28	<0.01	1.4	0.0 39.0	2.71	
78	5628-29	<0.01	2.4	0.0 80.4		
79	5629-30	<0.01	2.8	3.8 76.8		
80	5630-31	<0.01	2.8	0.0 82.7		
81	5631-32	<0.01	2.5	4.1 82.4		
82	5632-33	<0.01	2.9	7.4 67.0		
83	5633-34	<0.01	2.5	8.4 67.5		
84	5634-35	<0.01	2.9	0.0 73.4		
	5635-5638					SHALE - NO ANALYSIS

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

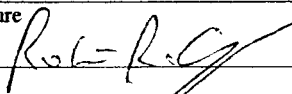

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED
OMB No. 1004-0136
Expires November 30, 2000

1a. Type of Work: <input type="checkbox"/> DRILL <input checked="" type="checkbox"/> REENTER		5. Lease Serial No. UTU 84347	
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name n/a	
2. Name of Operator CrownQuest Operating		7. If Unit or CA Agreement, Name and No.	
3a. Address 303 Wall, Suite 1400, Midland TX 79702		8. Lease Name and Well No. Tank Canyon 1-9	
3b. Phone No. (include area code) (432) 685-3116		9. API Well No. 43 037 30948	
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface 2030' FNL x 1830' FWL At proposed prod. zone same		10. Field and Pool, or Exploratory Pennsylvanian	
14. Distance in miles and direction from nearest town or post office* 11 miles east by southeast from Blanding, Utah		11. Sec., T., R., M., or 131k. and Survey or Area Section 9, T37S, R24E	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 1830'	16. No. of Acres in lease 640	17. Spacing Unit dedicated to this well 160	
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. None	19. Proposed Depth 5688'	20. BLJA/BIA Bond No. on file RLB-0007554 UTB000218	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5204' GL, 5237' KB	22. Approximate date work will start* 07/01/06	23. Estimated duration 60 days	
24. Attachments drilling plan, surface use plan			

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- | | |
|---|--|
| 1. Well plat certified by a registered surveyor. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification. |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature 	Name (Printed/Typed) Robert R. Griffiee	Date 6/09/06
Title Operations Manager, agent for CrownQuest		
Approved by (Signature) 	Name (Printed/Typed) Assistant Field Manager	Date 8/25/06
Title Assistant Field Manager, Division of Resources	Office Division of Resources Moab Field Office	

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.


*(Instructions on reverse)

CONDITIONS OF APPROVAL ATTACHED



AUG 28 2006

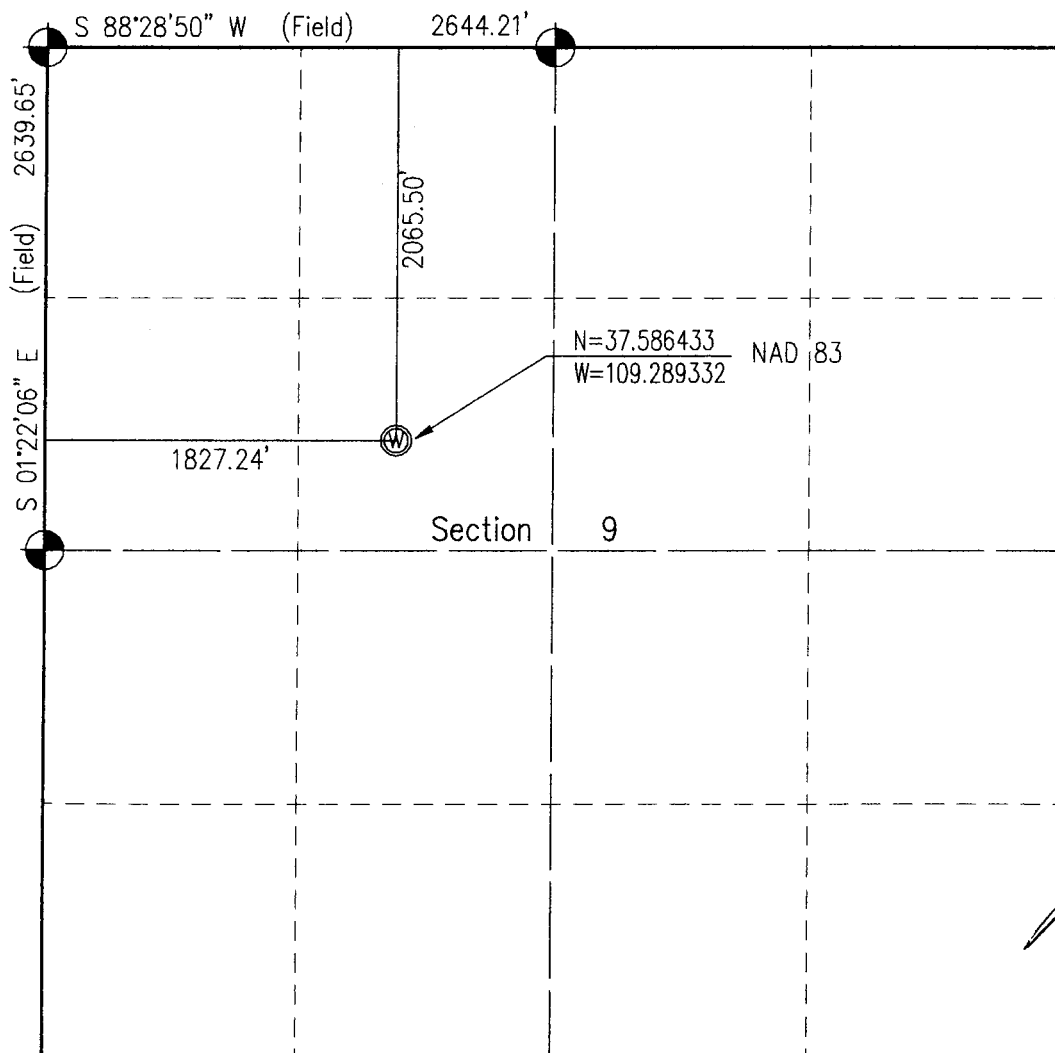
UTAH WELL LOCATION PLAT

OPERATOR Crown Quest Operating
 LEASE Tank Canyon WELL NO. 1-9
 SECTION 9 TOWNSHIP 37 South RANGE 24 East 6th, P.M.
 COUNTY San Juan UTAH
 FOOTAGE LOCATION OF WELL: 2065.50 FEET FROM THE North LINE and
1827.24 FEET FROM THE West LINE and
 GROUND LEVEL ELEVATION: 5137.94'
 SURFACE USE WITHIN 200' RADIUS: No Improvements Within 200' - Pasture
 BASIS OF BEARING: GPS Data - NAD 83
 BASIS OF ELEVATION: GPS Data - Diff. corrections Omnistar

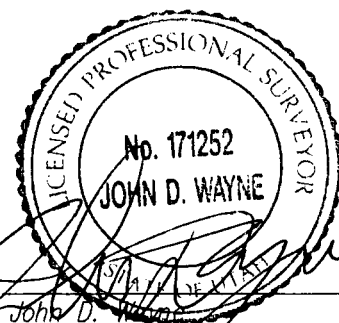

 500' 500'
 1" = 1000'

Some information on this plat is based on information taken from previous surveys, record information, or collateral evidence and may not reflect that which may be disclosed by a complete boundary survey. This plat is not to be relied on for the establishment of surface boundaries, fences, buildings, or other future improvements.

 GLO BC
 WELL Location



I hereby certify that the proposed well location shown on this plat was prepared from field notes of an actual survey by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief, and that there are no visible improvements within 200 feet of this proposed wellhead, unless noted otherwise.



John D. Wayne
 Professional L.S. #171252
 State of Utah

JUNE 24, 2006

Date Surveyed:

JUNE 26, 2006

Date Platted:

SCALE: 1" = 1000'

CrownQuest Operating LLC
Tank Canyon #1-9
Lease U-84347
SE/NW Section 9, T37S, R24E
San Juan County, Utah

A COMPLETE COPY OF THIS PERMIT SHALL BE KEPT ON LOCATION, from the beginning of site construction through well completion, and shall be available to contractors to ensure compliance.

CONDITIONS OF APPROVAL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be advised that CrownQuest Operating, LLC is considered to be the operator of the above well and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond coverage for this well is provided by **UTB000218** (Principal - CrownQuest Operating, LLC) via surety consent as provided for in 43 CFR 3104.2.

This office will hold the aforementioned operator and bond liable until the provisions of 43 CFR 3106.7-2 continuing responsibility are met.

This permit will be valid for a period of one year from the date of approval. After permit termination, a new application must be filed for approval.

All lease operations will be conducted in full compliance with applicable regulations (43 CFR 3100), Onshore Oil and Gas Orders, lease terms, notices to lessees, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors.

A. DRILLING PROGRAM

1. Concurrent approval from the State of Utah, Division of Oil, Gas & Mining (DOGM) is required before conducting any surface disturbing activities.
2. The proposed well control equipment (3M system for drilling, and 5M system for completion) is appropriate for anticipated conditions. For clarification, the proposed choke manifold configuration, with only a 2-inch minimum blow-down line (straight line through the choke manifold), warrants a 2M rating; however, this is acceptable for anticipated conditions. A 3-inch blow-down line would elevate the system rating to 3M.

B. SURFACE

1. Closed to surface use (access and well pad construction and drilling) within crucial deer winter habitat from December 15 to April 30. This seasonal condition would not affect maintenance and operational activities for production. The Field Manager may grant an exception on a case-by case basis if legal rights would be curtailed, the deer are not present at a specific project location or the activity can be conducted so that the deer would not be adversely affected.

2. As prescribed in the "Utah Field Office Guidelines for Raptor Protection from Human and Land Use Disturbances" written by the U.S. Fish and Wildlife Service, a raptor survey and clearance of the affected area surrounding the proposed drill site would be accomplished prior to work initiation if work is to be done between February 1 and August 31. If the survey locates an active raptor nesting territory which may be affected by the proposal, no work would be allowed until the nestlings have fledged.

C. REQUIRED APPROVALS, REPORTS AND NOTIFICATIONS

Required verbal notifications are summarized in Table 1, attached.

Building Location- Contact the BLM Natural Resource Protection Specialist at least 48-hours prior to commencing construction of location.

Spud- The spud date will be reported to BLM 24-hours prior to spudding. Written notification in the form of a Sundry Notice (Form 3160-5) will be submitted to the Moab Field Office within 24-hours after spudding, regardless of whether spud was made with a dry hole digger or big rig.

Daily Drilling Reports- Daily drilling reports shall detail the progress and status of the well and shall be submitted to the Moab Field Office on a weekly basis.

Oil and Gas Operations Reports (OGORs)- Production from this well shall be reported to Minerals Management Service (MMS) on a monthly basis.

Sundry Notices- There will be no deviation from the proposed drilling and/or workover program without prior approval. "Sundry Notices and Reports on Wells" (Form 3160-5) will be filed, with the Moab Field Office, for approval of all changes of plans and subsequent operations in accordance with 43 CFR 3162.3-2. Safe drilling and operating practices must be observed.

Drilling Suspensions- Operations authorized by this permit shall not be suspended for more than 30 days without prior approval of the Moab Field Office. All conditions of this approval shall be applicable during any operations conducted with a replacement rig.

Undesirable Events- Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be immediately reported to the BLM in accordance with requirements of NTL-3A.

Cultural Resources- If cultural resources are discovered during construction, work that might disturb the resources is to stop, and the Monticello Field Office is to be notified.

First Production- Should the well be successfully completed for production, the Moab Field Office will be notified when the well is placed in producing status. Such notification may be made by phone, but must be followed by a sundry notice or letter not later than five business days following the date on which the well is placed into production.

A first production conference will be scheduled through the Monticello Field Office as soon as the productivity of the well is apparent.

Well Completion Report- Whether the well is completed as a dry hole or as a producer, "Well Completion or Recompletion Report and Log" (Form 3160-4) will be submitted to the Moab Field Office not later than thirty-days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs, core descriptions, core analyses, well test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. When requested, samples (cuttings and/or samples) will be submitted to the Moab Field Office.

Venting/Flaring of Gas- Gas produced from this well may not be vented/flared beyond an initial, authorized test period of 30 days or 50 MMcf, whichever first occurs, without the prior, written approval of the Moab Field Office. Should gas be vented or flared without approval beyond the authorized test period, the well may be ordered shut-in until the gas can be captured or approval to continue the venting/flaring as uneconomic is granted. In such case, compensation to the lessor shall be required for that portion of the gas that is vented/flared without approval and which is determined to have been avoidably lost.

Produced Water- Produced waste water may be confined to an unlined pit for a period not to exceed 90 days after initial production. During the 90 day period, an application for approval of a permanent disposal method and location, along with the required water analysis, will be submitted to the Moab Field Office for approval pursuant to Onshore Oil and Gas Order No. 7.

Off-Lease Measurement, Storage, Commingling- Prior approval must be obtained from the Moab Field Office for off-lease measurement, off-lease storage and/or commingling (either down-hole or at the surface).

Plugging and Abandonment- If the well is completed as a dry hole, plugging instructions must be obtained from the Moab Field Office prior to initiating plugging operations.

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TABLE 1 NOTIFICATIONS

Notify Jeff Brown (435-587-1525) of the BLM, Monticello Field Office for the following:

2 days prior to commencement of dirt work, construction and reclamation;

1 day prior to spud;

50 feet prior to reaching the surface casing (9-5/8") setting depth;

3 hours prior to testing BOP

If the person at the above number cannot be reached, notify the Moab Field Office at (435) 259-2100. If unsuccessful, contact the person listed below.

Well abandonment operations require 24 hour advance notice and prior approval. In the case of newly drilled dry holes, verbal approval can be obtained by calling the Moab Field Office at (435) 259-2100. If approval is needed after work hours, you may contact:

Eric Jones, Petroleum Engineer	Office: (435) 259-2117
	Home: (435) 259-2214

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

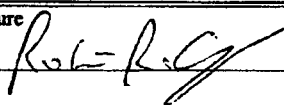

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED
OMB No. 1004-0136
Expires November 30, 2000

1a. Type of Work: <input type="checkbox"/> DRILL <input checked="" type="checkbox"/> REENTER			5. Lease Serial No. UTU 84347		
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone			6. If Indian, Allottee or Tribe Name n/a		
2. Name of Operator CrownQuest Operating			7. If Unit or CA Agreement, Name and No.		
3a. Address 303 Wall, Suite 1400, Midland TX 79702			8. Lease Name and Well No. Tank Canyon 1-9		
3b. Phone No. (include area code) (432) 685-3116			9. API Well No. 43 037 30948		
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface 2030' FNL x 1830' FWL At proposed prod. zone same			10. Field and Pool, or Exploratory Pennsylvanian		
14. Distance in miles and direction from nearest town or post office* 11 miles east by southeast from Blanding, Utah			11. Sec., T., R., M., or 131k. and Survey or Area Section 9, T37S, R24E		
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21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5204' GL, 5237' KB		22. Approximate date work will start* 07/01/06	23. Estimated duration 60 days		
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- | | |
|---|--|
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25. Signature 	Name (Printed/Typed) Robert R. Griffie	Date 6/09/06
Title Operations Manager, agent for CrownQuest		
Approved by (Signature) 	Name (Printed/Typed) Assistant Field Manager	Date 8/25/06
Title Assistant Field Manager, Division of Resources	Office Division of Resources Moab Field Office	

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

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*(Instructions on reverse)

CONDITIONS OF APPROVAL ATTACHED
AUG 28 2006

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Tank Canyon #1-9
Lease U-84347
SE/NW Section 9, T37S, R24E
San Juan County, Utah

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Eric Jones, Petroleum Engineer

Office: (435) 259-2117

Home: (435) 259-2214



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, UT 84145-0155

<http://www.blm.gov>



FEB 21 2007

IN REPLY REFER TO:
3104
(UT-922)

DECISION

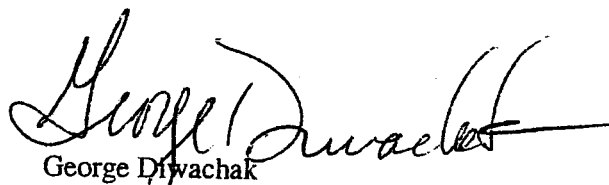
Principal:	:	Type of Bond: Statewide Oil and Gas
Roddy Production Company, Inc.	:	
P. O. Box 2221	:	Bond Amount: \$25,000
Farmington, NM 87499	:	
	:	Bond Surety No.: RLB0010020
Surety:	:	
RLI Insurance Company	:	BLM Bond No.: UTB000250
8 Greenway Plaza, Suite 400	:	
Houston, TX 77046	:	

Statewide Oil and Gas Surety Bond Accepted

On February 16, 2007, this office received a \$25,000 statewide oil and gas bond for the principal named above. The bond and bond form have been examined, are found satisfactory, and are accepted effective the date of filing.

The bond constitutes coverage of all operations conducted by the principal on Federal leases in the State of Utah. The bond provides coverage for the principal where that principal has interest in, and/or responsibility for operations on leases issued under the authority of any of the Acts cited on the bond form. Please note that Federal leases do not include Indian leases.

The bond is maintained by this office. Termination of the period of liability under the bond will be permitted only after we are satisfied that there are no outstanding liabilities on the bond or a satisfactory replacement bond is furnished.


George Diwachak
Acting, Chief Branch of Fluid Minerals

Date: 03/04/2007

Ms. Dianne Mason
Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Dear Ms. Mason:

Bart Kettle called me this past week to let me know the State has not received APD's on the Tank Canyon 1-9 and Montezuma 41-17-74 re-entries. I was not aware of this until then. I have discovered the process is different in Utah from the other states we work in. I thought the BLM supplied your office with a copy of the approved APD. Bart explained the State issues its own APD even on the Federal Land re-entries. Please except my apology. Since CrownQuest Operating and Roddy Production rely upon me to take care of meeting all the requirement for permitting. It is clearly my error. I have included APDs for both wells and an additional 4 wells we are preparing to re-enter on Federal Lands in San Juan County. If I have not supplied you with the necessary information or need to format it differently please contact me by email: donalkey @msn.com, or by phone at: (505) 716-2543, (505) 325-5750.

Sincerely,



Donal Key, Surface Operations, Northern District
Roddy Production Company, Inc
CrownQuest Operating
P.O. Box 2221
Farmington, NM 97499

RECEIVED

MAR 07 2007

DIV. OF OIL, GAS & MINING

CONTACT LIST

Tank Canyon Projects

Roddy Production Company, Inc
P.O. Box 2221 * 2600 Farmington Ave.
Farmington, NM 87499
Robert R. Griffie, PE, Operations Manager & CQ Agent
505-326-6813
Fax: 505-326-6814
Donal Key, Land, Permitting & Locations
505-716-2543
Fax: 505-326-6814

Basin Surveying, Inc
P.O. Box 6456
Farmington, NM 87499
108 Llano, Aztec NM 87410
John D. Wayne, P.L.S.
505-334-1500
Fax: 505-334-1498

CrownQuest Operating LLC
Tank Canyon #1-9
Lease U-84347
SE/NW Section 9, T37S, R24E
San Juan County, Utah

A COMPLETE COPY OF THIS PERMIT SHALL BE KEPT ON LOCATION, from the beginning of site construction through well completion, and shall be available to contractors to ensure compliance.

CONDITIONS OF APPROVAL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be advised that CrownQuest Operating, LLC is considered to be the operator of the above well and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond coverage for this well is provided by **UTB000218** (Principal - CrownQuest Operating, LLC) via surety consent as provided for in 43 CFR 3104.2.

This office will hold the aforementioned operator and bond liable until the provisions of 43 CFR 3106.7-2 continuing responsibility are met.

This permit will be valid for a period of one year from the date of approval. After permit termination, a new application must be filed for approval.

All lease operations will be conducted in full compliance with applicable regulations (43 CFR 3100), Onshore Oil and Gas Orders, lease terms, notices to lessees, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors.

A. DRILLING PROGRAM

1. Concurrent approval from the State of Utah, Division of Oil, Gas & Mining (DOGM) is required before conducting any surface disturbing activities.
2. The proposed well control equipment (3M system for drilling, and 5M system for completion) is appropriate for anticipated conditions. For clarification, the proposed choke manifold configuration, with only a 2-inch minimum blow-down line (straight line through the choke manifold), warrants a 2M rating; however, this is acceptable for anticipated conditions. A 3-inch blow-down line would elevate the system rating to 3M.

B. SURFACE

1. Closed to surface use (access and well pad construction and drilling) within crucial deer winter habitat from December 15 to April 30. This seasonal condition would not affect maintenance and operational activities for production. The Field Manager may grant an exception on a case-by case basis if legal rights would be curtailed, the deer are not present at a specific project location or the activity can be conducted so that the deer would not be adversely affected.

2. As prescribed in the "Utah Field Office Guidelines for Raptor Protection from Human and Land Use Disturbances" written by the U.S. Fish and Wildlife Service, a raptor survey and clearance of the affected area surrounding the proposed drill site would be accomplished prior to work initiation if work is to be done between February 1 and August 31. If the survey locates an active raptor nesting territory which may be affected by the proposal, no work would be allowed until the nestlings have fledged.

C. REQUIRED APPROVALS, REPORTS AND NOTIFICATIONS

Required verbal notifications are summarized in Table 1, attached.

Building Location- Contact the BLM Natural Resource Protection Specialist at least 48-hours prior to commencing construction of location.

Spud- The spud date will be reported to BLM 24-hours prior to spudding. Written notification in the form of a Sundry Notice (Form 3160-5) will be submitted to the Moab Field Office within 24-hours after spudding, regardless of whether spud was made with a dry hole digger or big rig.

Daily Drilling Reports- Daily drilling reports shall detail the progress and status of the well and shall be submitted to the Moab Field Office on a weekly basis.

Oil and Gas Operations Reports (OGORs)- Production from this well shall be reported to Minerals Management Service (MMS) on a monthly basis.

Sundry Notices- There will be no deviation from the proposed drilling and/or workover program without prior approval. "Sundry Notices and Reports on Wells" (Form 3160-5) will be filed, with the Moab Field Office, for approval of all changes of plans and subsequent operations in accordance with 43 CFR 3162.3-2. Safe drilling and operating practices must be observed.

Drilling Suspensions- Operations authorized by this permit shall not be suspended for more than 30 days without prior approval of the Moab Field Office. All conditions of this approval shall be applicable during any operations conducted with a replacement rig.

Undesirable Events- Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be immediately reported to the BLM in accordance with requirements of NTL-3A.

Cultural Resources- If cultural resources are discovered during construction, work that might disturb the resources is to stop, and the Monticello Field Office is to be notified.

First Production- Should the well be successfully completed for production, the Moab Field Office will be notified when the well is placed in producing status. Such notification may be made by phone, but must be followed by a sundry notice or letter not later than five business days following the date on which the well is placed into production.

A first production conference will be scheduled through the Monticello Field Office as soon as the productivity of the well is apparent.

Well Completion Report- Whether the well is completed as a dry hole or as a producer, "Well Completion or Recompletion Report and Log" (Form 3160-4) will be submitted to the Moab Field Office not later than thirty-days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs, core descriptions, core analyses, well test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. When requested, samples (cuttings and/or samples) will be submitted to the Moab Field Office.

Venting/Flaring of Gas- Gas produced from this well may not be vented/flared beyond an initial, authorized test period of 30 days or 50 MMcf, whichever first occurs, without the prior, written approval of the Moab Field Office. Should gas be vented or flared without approval beyond the authorized test period, the well may be ordered shut-in until the gas can be captured or approval to continue the venting/flaring as uneconomic is granted. In such case, compensation to the lessor shall be required for that portion of the gas that is vented/flared without approval and which is determined to have been avoidably lost.

Produced Water- Produced waste water may be confined to an unlined pit for a period not to exceed 90 days after initial production. During the 90 day period, an application for approval of a permanent disposal method and location, along with the required water analysis, will be submitted to the Moab Field Office for approval pursuant to Onshore Oil and Gas Order No. 7.

Off-Lease Measurement, Storage, Commingling- Prior approval must be obtained from the Moab Field Office for off-lease measurement, off-lease storage and/or commingling (either down-hole or at the surface).

Plugging and Abandonment- If the well is completed as a dry hole, plugging instructions must be obtained from the Moab Field Office prior to initiating plugging operations.

A "Subsequent Report of Abandonment" (Form 3160-5) will be filed with the Moab Field Office within thirty-days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Upon completion of approved plugging, a regulation marker will be erected in accordance with 43 CFR 3162.6. Final abandonment will be approved when the Monticello Field Office determines that surface reclamation work has successfully restored desirable vegetation.

TABLE 1

NOTIFICATIONS

Notify Jeff Brown (435-587-1525) of the BLM, Monticello Field Office for the following:

2 days prior to commencement of dirt work, construction and reclamation;

1 day prior to spud;

50 feet prior to reaching the surface casing (9-5/8") setting depth;

3 hours prior to testing BOP

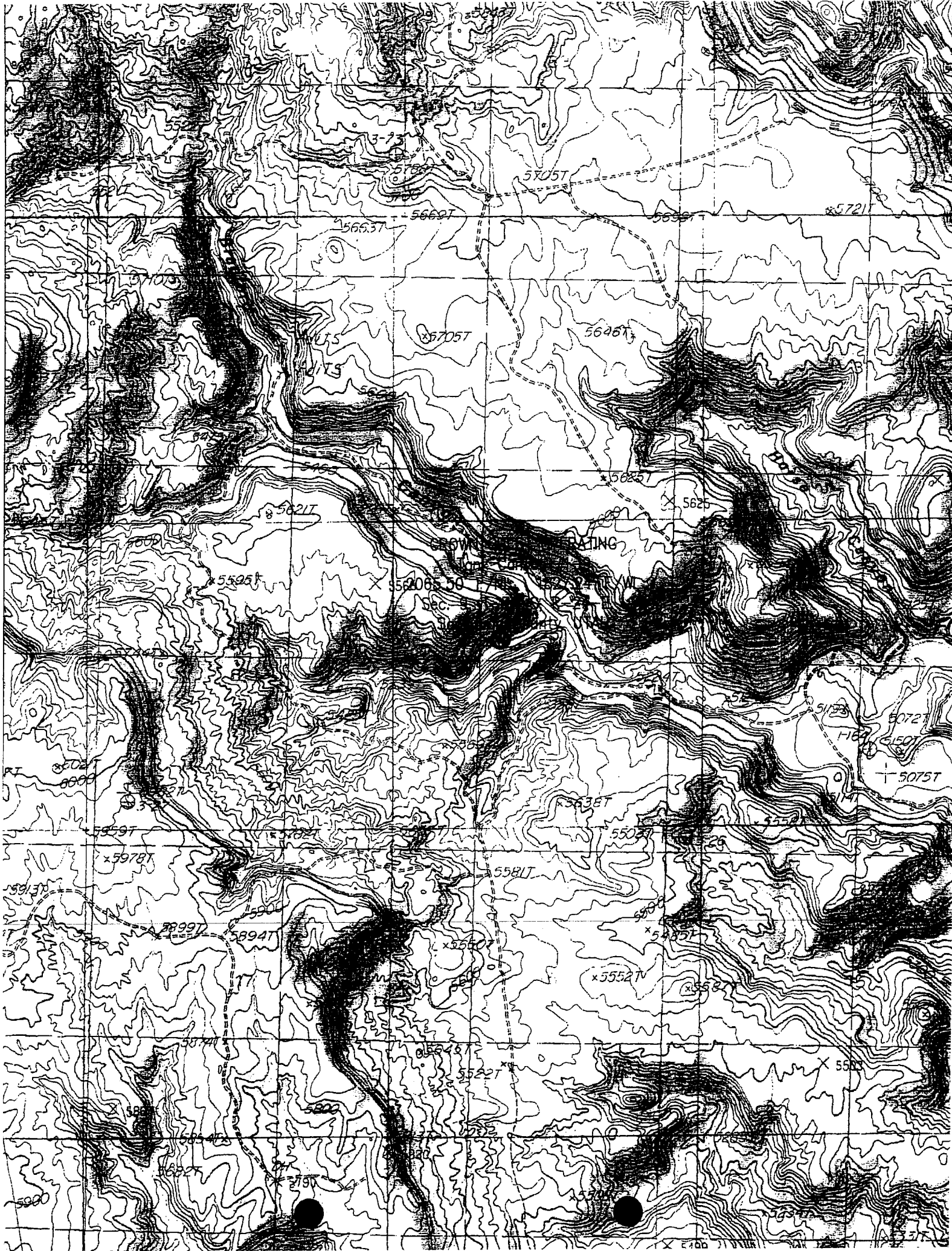
If the person at the above number cannot be reached, notify the Moab Field Office at (435) 259-2100. If unsuccessful, contact the person listed below.

Well abandonment operations require 24 hour advance notice and prior approval. In the case of newly drilled dry holes, verbal approval can be obtained by calling the Moab Field Office at (435) 259-2100. If approval is needed after work hours, you may contact:

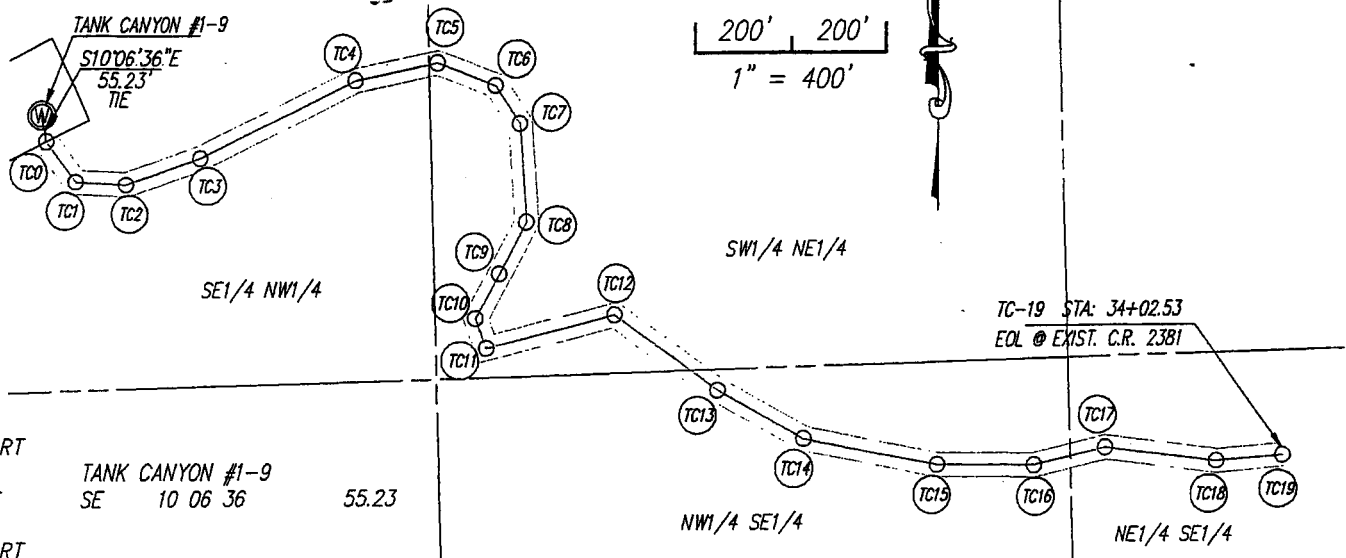
Eric Jones, Petroleum Engineer

Office: (435) 259-2117

Home: (435) 259-2214



TANK CANYON #1-9
PROPOSED ACCESS ROAD



START

TANK CANYON #1-9
TIE SE 10 06 36 55.23

START

0+00 @ POINT ON SOUTHLINE PAD
IN SE 36 07 00 104.00

TC1 1+04.00 TC-1

IN SE 86 44 25 108.39

TC2 2+12.39 TC-2

IN NE 71 17 22 166.21

TC3 3+78.60 TC-3

IN NE 63 59 47 363.05

TC4 7+41.65 TC-4

IN NE 78 19 58 174.73

TC5 9+16.38 TC-5

IN SE 68 39 42 130.00

TC6 10+46.58 TC-6

IN SE 32 48 53 94.28

TC7 11+40.66 TC-7

IN SE 03 51 22 204.91

TC8 13+45.57 TC-8

IN SW 27 59 44 121.54

TC9 14+67.11 TC-9

IN SW 28 30 33 104.24

TC10 15+71.35 TC-10

IN SE 20 17 39 65.83

TC11 16+37.18 TC-11

IN NE 76 14 10 278.61

TC12 19+15.79 TC-12

IN SE 53 26 26 265.56

TC13 21+81.35 TC-13

IN SE 59 55 14 204.41

TC14 23+85.76 TC-14

IN SE 78 47 18 286.58

TC15 26+72.34 TC-15

IN SE 89 20 29 204.62

TC16 28+76.96 TC-16

IN NE 76 33 54 152.38

TC17 30+29.34 TC-17

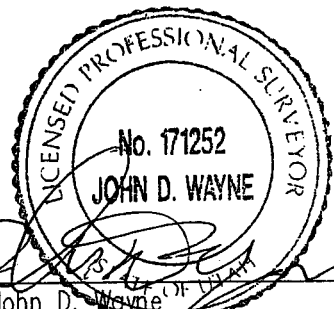
IN SE 82 44 27 235.05

TC18 32+64.39 TC-18

IN NE 85 02 40 138.14

TC19 34+02.53 TC-19 EOL @ EXIST. CR. 2381

Some information on this plat is based on information taken from previous surveys, record information, or collateral evidence and may not reflect that which may be disclosed by a complete boundary survey. This plat is not to be relied on for the establishment of surface boundaries, fences, buildings or other future improvements.



John D. Wayne
Professional Surveyor
Utah Reg. No. 171252

DRAWING NO: 00792

SEC.	TWP.	RGE.	1/4 SEC.	WIDTH	LENGTH			ACRES	CROWN QUEST OPERATING PROPOSED ACCESS ROAD Tank Canyon #1-9 Sec. 9, T-37-S, R-24-E, S.L.M. San Juan County, Utah
					FEET	RODS	MILES		
9	37S	24E	SE1/4NW1/4	50'	898.87'	54.48	0.17	1.03	
9	37S	24E	SW1/4NE1/4	50'	1212.29	73.47	0.23	1.39	
9	37W	24E	NW1/4SE1/4	50'	844.22'	51.16	0.16	0.97	
9	37S	24W	NE1/4SE1/4	50'	447.15'	27.10	0.08	0.51	
TOTALS					3402.53'	206.21	0.64	3.90	SCALE: 1"=400' DATE: 06/28/06

CROWNQUEST

CROWNQUEST OPERATING, LLC

SENIOR 2006-214

June 12, 2006

Bob Griffiee
c/o Roddy Production Company, Inc.
2600 Farmington Ave., Ste B
Farmington, NM 87401

Re: **Tank Canyon Prospect**
San Juan County, Utah

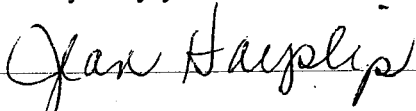
Dear Mr. Griffiee:

Enclosed per your request of Craig Clark are the original requests of confidentiality to the Utah Division of Oil, Gas and Minerals for the following three San Juan County, Utah wells:

Tank Canyon #1-9
Bradford Canyon #1-10
Montezuma 41-17-74

Should you have any questions, I can be contacted at (432) 685-3116 ext. 247.

Very truly yours,



Jean Hayslip
Lease Analyst

Enclosures

CROWNQUEST

CROWNQUEST OPERATING, LLC

June 12, 2006

Utah Division of Oil, Gas and Minerals
1594 West North Temple
Suite 1210
Box 145801
Salt Lake City, Utah 84114

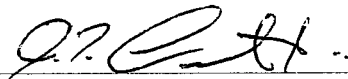
Re: Tank Canyon #1-9
Section 9, T-37-S, R-24-E
San Juan County, Utah

Ladies and Gentlemen:

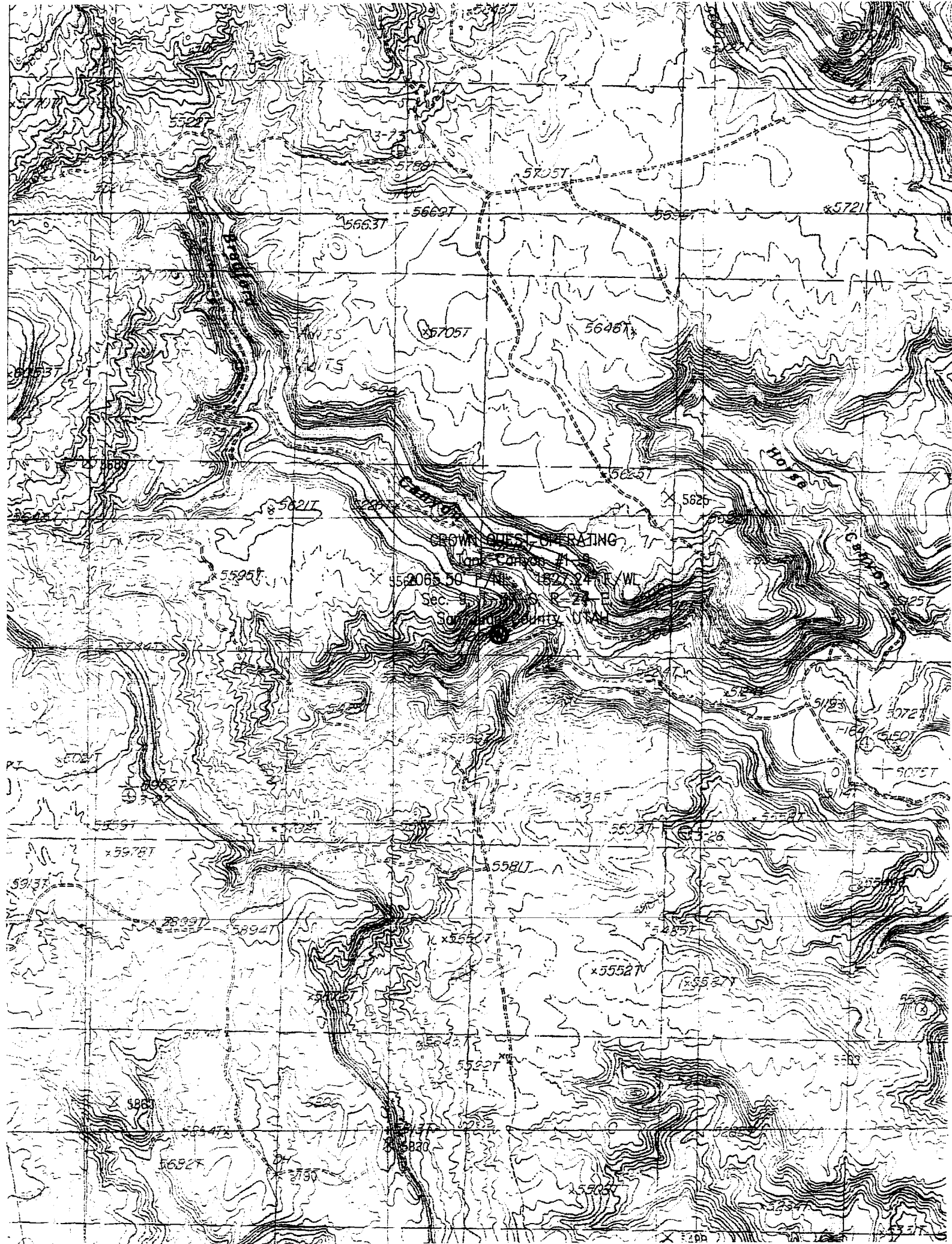
Pursuant to R649-2-11, CrownQuest Operating Company, LLC, the Operator of the above captioned well, hereby requests that you keep confidential all information you receive for the above captioned well.

Thanks for your attention to this matter. Should you have any questions please do not hesitate to contact me.

Very truly yours,



J. T. Lent, Jr.
Vice President
Engineering & Operations



STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐
(highlight changes)

APPLICATION FOR PERMIT TO DRILL				5. MINERAL LEASE NO: UTU 84347	6. SURFACE: Federal
1A. TYPE OF WORK: DRILL <input type="checkbox"/> REENTER <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>				7. IF INDIAN, ALLOTTEE OR TRIBE NAME: n/a	
B. TYPE OF WELL: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER _____ SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>				8. UNIT or CA AGREEMENT NAME:	
2. NAME OF OPERATOR: Roddy Production Company, Inc				9. WELL NAME and NUMBER: Tank Canyon 1-9	
3. ADDRESS OF OPERATOR: P.O. Box 2221 Farmington NM 87499				PHONE NUMBER: (505) 325-5750	10. FIELD AND POOL, OR MLD CAT: Pennsylvanian / Undesignated
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 2065.50' FNL x 1827.24' FWL AT PROPOSED PRODUCING ZONE: Same				11. SECTION, TOWNSHIP, RANGE, MERIDIAN: SE 1/4 37S 24E	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 11 miles East by Southeast from Blanding, Utah				12. COUNTY: San Juan	13. STATE: UTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) 1827.24'		16. NUMBER OF ACRES IN LEASE: 640		17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 160	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) none		19. PROPOSED DEPTH: 5,688		20. BOND DESCRIPTION: UTB000250	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 5204' GL, 5237' KB		22. APPROXIMATE DATE WORK WILL START: 7/1/2006		23. ESTIMATED DURATION: 60 days	

24. PROPOSED CASING AND CEMENTING PROGRAM			
SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT
			see attached details

25. ATTACHMENTS	
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:	
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN
<input type="checkbox"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER	<input type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

NAME (PLEASE PRINT) Robert R. Griffie TITLE Operations Manager, agent for CrownQuest
SIGNATURE [Signature] DATE 1/28/2007

(This space for State use only)

API NUMBER ASSIGNED: 43-037-30948

Approved by the
Utah Division of
Oil, Gas and Mining

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(11/2001)

Federal Approval of this
Action is Necessary

(See Instructions Regarding Signatures)

By: [Signature]

DIV. OF OIL, GAS & MINING



UTAH WELL LOCATION PLAT

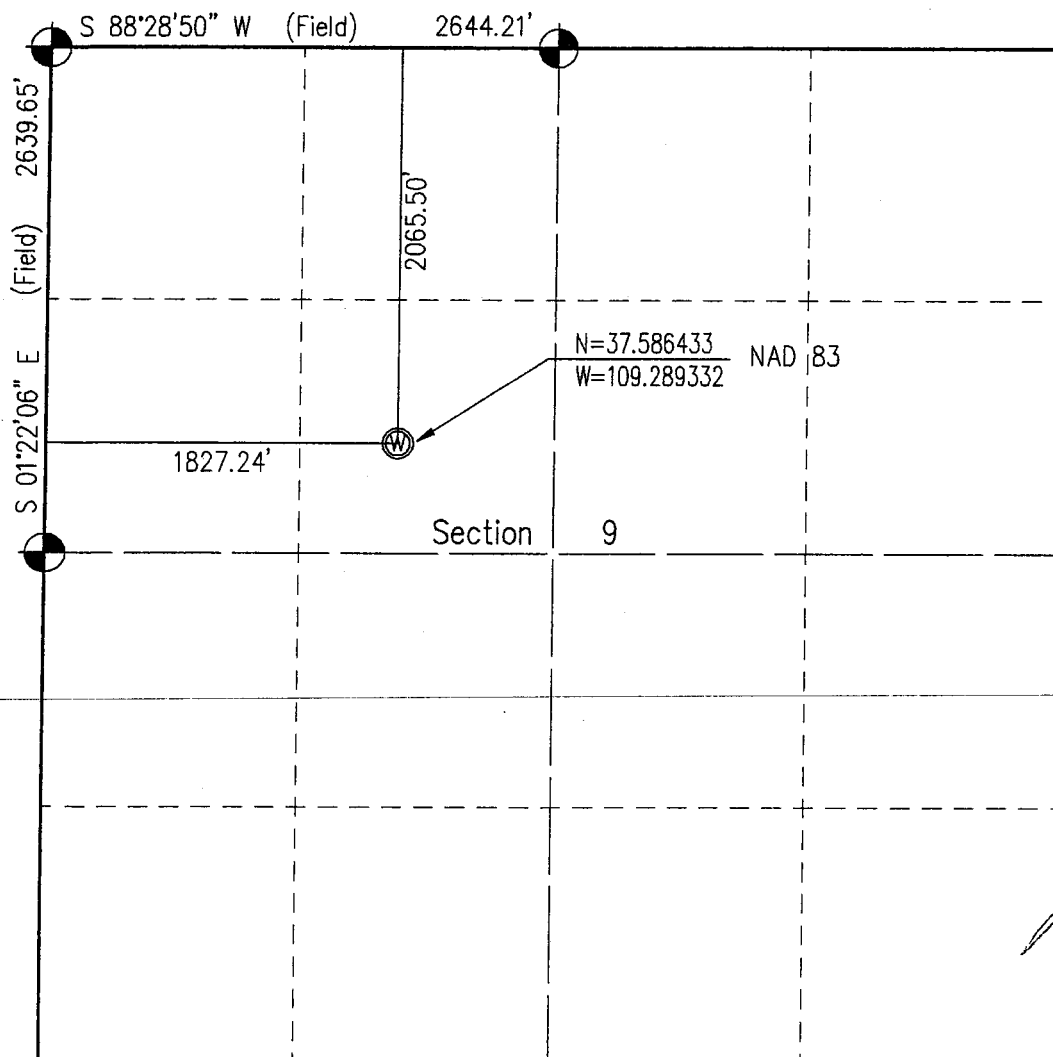
OPERATOR Crown Quest Operating
 LEASE Tank Canyon WELL NO. 1-9
 SECTION 9 TOWNSHIP 37 South RANGE 24 East 6th, P.M.
 COUNTY San Juan UTAH
 FOOTAGE LOCATION OF WELL: 2065.50 FEET FROM THE North LINE and
1827.24 FEET FROM THE West LINE and
 GROUND LEVEL ELEVATION: 5137.94'
 SURFACE USE WITHIN 200' RADIUS: No Improvements Within 200' - Pasture
 BASIS OF BEARING: GPS Data - NAD 83
 BASIS OF ELEVATION: GPS Data - Diff. corrections Omnistar



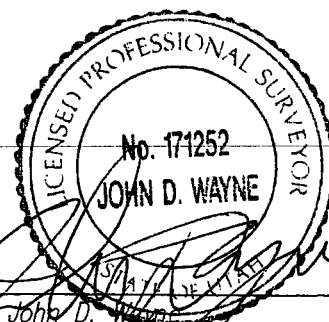
500' 500'
1" = 1000'

Some information on this plat is based on information taken from previous surveys, record information, or collateral evidence and may not reflect that which may be disclosed by a complete boundary survey. This plat is not to be relied on for the establishment of surface boundaries, fences, buildings, or other future improvements.

-  GLO BC
-  WELL Location



I hereby certify that the proposed well location shown on this plat was prepared from field notes of an actual survey by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief, and that there are no visible improvements within 200 feet of this proposed wellhead, unless noted otherwise.



John D. Wayne
 Professional L.S. #171252
 State of Utah

JUNE 24, 2006

Date Surveyed:

JUNE 26, 2006

Date Platted:

SCALE: 1" = 1000'

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 03/15/2007

API NO. ASSIGNED: 43-037-30948

WELL NAME: TANK CYN 1-9

OPERATOR: RODDY PRODUCTION (N3140)

CONTACT: ROBERT GRIFEE

PHONE NUMBER: 505-325-5750

PROPOSED LOCATION:

SEWN 09 370S 240E

SURFACE: 2065 FNL 1827 FWL

BOTTOM: 2065 FNL 1827 FWL

COUNTY: SAN JUAN

LATITUDE: 37.58644 LONGITUDE: -109.2886

UTM SURF EASTINGS: 651106 NORTHINGS: 4161103

FIELD NAME: UNDESIGNATED (2)

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU 84347

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: DSCR

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

☒ Plat

☒ Bond: Fed[1] Ind[] Sta[] Fee[]
(No. UTB000250)

☒ Potash (Y/N)

☒ Oil Shale 190-5 (B) or 190-3 or 190-13

☒ Water Permit
(No. MUNICIPAL)

☒ RDCC Review (Y/N)
(Date: _____)

☒ Fee Surf Agreement (Y/N)

☒ Intent to Commingle (Y/N)

LOCATION AND SITING:

 R649-2-3.

Unit: _____

☒ R649-3-2. General

Siting: 460 From Qtr/Qtr & 920' Between Wells

 R649-3-3. Exception

 Drilling Unit

Board Cause No: _____

Eff Date: _____

Siting: _____

 R649-3-11. Directional Drill

COMMENTS: _____

STIPULATIONS: _____

1. *Lease Agreement*
2. *Spacing Stip*

POINT FIELD
E

T37S R24E

TANK
CYN 1-9
TANK
CYN 1-9

TANK
CANYON 2-9

MONTEZUMA
41-17-74
MONTEZUMA
41-17-74

BRADFORD
CANYON FIE

DEADMAN
CANYON FED 4-20

DEADMAN
CANYON UNIT 1

DEADMAN
CANYON UNIT 1

OPERATOR: RODDY PROD CO INC (N3140)

SEC: 9 T.37S R. 24E

FIELD: UNDESIGNATED (002)

COUNTY: SAN JUAN

SPACING: R649-3-2 / GENERAL SITING

Field Status

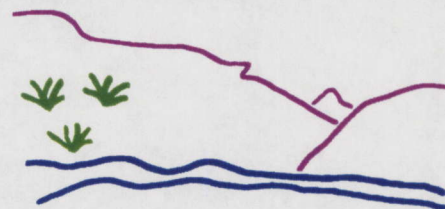
- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED

Unit Status

- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Wells Status

- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL
- DRILLING



Utah Oil Gas and Mining



PREPARED BY: DIANA MASON
DATE: 27-MARCH-2007

Re-Entry Plan

Well Name: Tank Canyon 1-9

Surface Location: 2065.5' FNL x 1827.24' FWL, Section 9, T37S, R24E
San Juan County, Utah

Target Formation: Pennsylvanian

Elevation: 5204' GL

Geology:

Formation	Top	Probable Content
Morrison	Surface	
Entrada Ss	285'	potential fresh water
Navajo Ss	490'	potential fresh water
Chinle Fm	1380'	vari-color shale
Shinarump Ss	2080'	gas/water
Moenkopi Fm	2164'	brn-red sltst/sh
Cutler (top of Permian)	2270'	prpl crs ss/sh; potential fresh water
Honaker Trail (top of Penn)	4200'	ls; potential gas, brine
Upper Ismay	5298'	gas/oil/brine
Desert Creek	5544'	gas/oil/brine
Akah	5658'	gas/oil/brine
TD	5688'	

Logging Program: Open hole logs have already been obtained and submitted. Cased hole neutron log to be run after setting 5 1/2" casing.

Clean-out Fluid Program:

Interval	Fluid Type	Weight	Viscosity	Fluid Loss
0' – 1515'	fresh water	8.4 ppg	n/a	no control
1515' – 5688'	production brine/polymer	9.2 ppg	30 – 80 sec	10

Casing Program:

Interval	Hole Diameter	Csg Size	Wt.	Grade	Thread
Conductor – Installed 1983					
0' – 60'	26"	20"			
Surface – Installed 11/18/83					
0' – 1515'	12 1/4"	9 5/8"	40 ppf	N-80	STC
Production					
0' – 5688'	8 3/4"	5 1/2"	17 ppf	P110	LTC

Tubing Program: 0 – 5650', 2 3/8", 4.7 ppf, J55, EUE

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BOPE and Wellhead Specifications and Testing:

For clean-out operations from surface to TD: 9 5/8", 3000 psi weld on casing. 9 5/8", 3000 psi double gate BOP and 3000 psi annular preventor. 3000 psi choke manifold. (see figures 1 and 2). Pressure test BOPE to 3000 psi and 9 5/8" Surface casing to 1500 psi prior to drilling out of casing shoe.

For completion operations: 5 1/2" x 2 3/8", 5000 psi tree assembly. 7 1/16", 5000 psi double gate BOP system. 5000 psi choke manifold (see figures 3 and 4). Pressure test 5 1/2" casing to 5000 psi prior to frac'ing. The 5000 psi pressure rating is for possible frac treatment pressures and is far in excess of 3000 psi BOP equipment required to control anticipated formation pressure.

General Operation:

- Actuate pipe rams once each day during clean-out operations. Actuate blind rams once each trip.
- An upper Kelly cock valve, with handle, will be available on the rig floor to fit each drilling string.
- BOP pit level drill will be conducted weekly for each drilling crew.
- All BOP tests and drills will be recorded in the daily drilling report.
- Blind and pipe rams will be equipped with extension hand wheels.

Cementing Program:

20" Conductor Casing String: already installed and cemented.

9 5/8" Surface Casing String: already installed and cemented.

5 1/2" Production Casing String: Run casing with float shoe on bottom, float collar one joint from bottom. Install one centralizer in the middle of the first joint, one on every other collar from TD to the top of the Honaker Trail formation, and one inside the surface casing shoe. Cement with 588 sks 65/35 poz + 6% gel + 0.25 #/sk D130 + 18% D44 + .3% D167 + .15% D65A + 5 #/sk D24 (12.4 ppg, 1.93 cf/sk) followed by 410 sks 25/75 poz + 0.3% D65 + 0.15% D65 + 10% D44BWOW + 0.35% retarder (13.8 ppg, 1.47 cf/sk. Top of cement calculated to be at 1000'.

Special Clean-out Operations:

None anticipated

Additional Information:

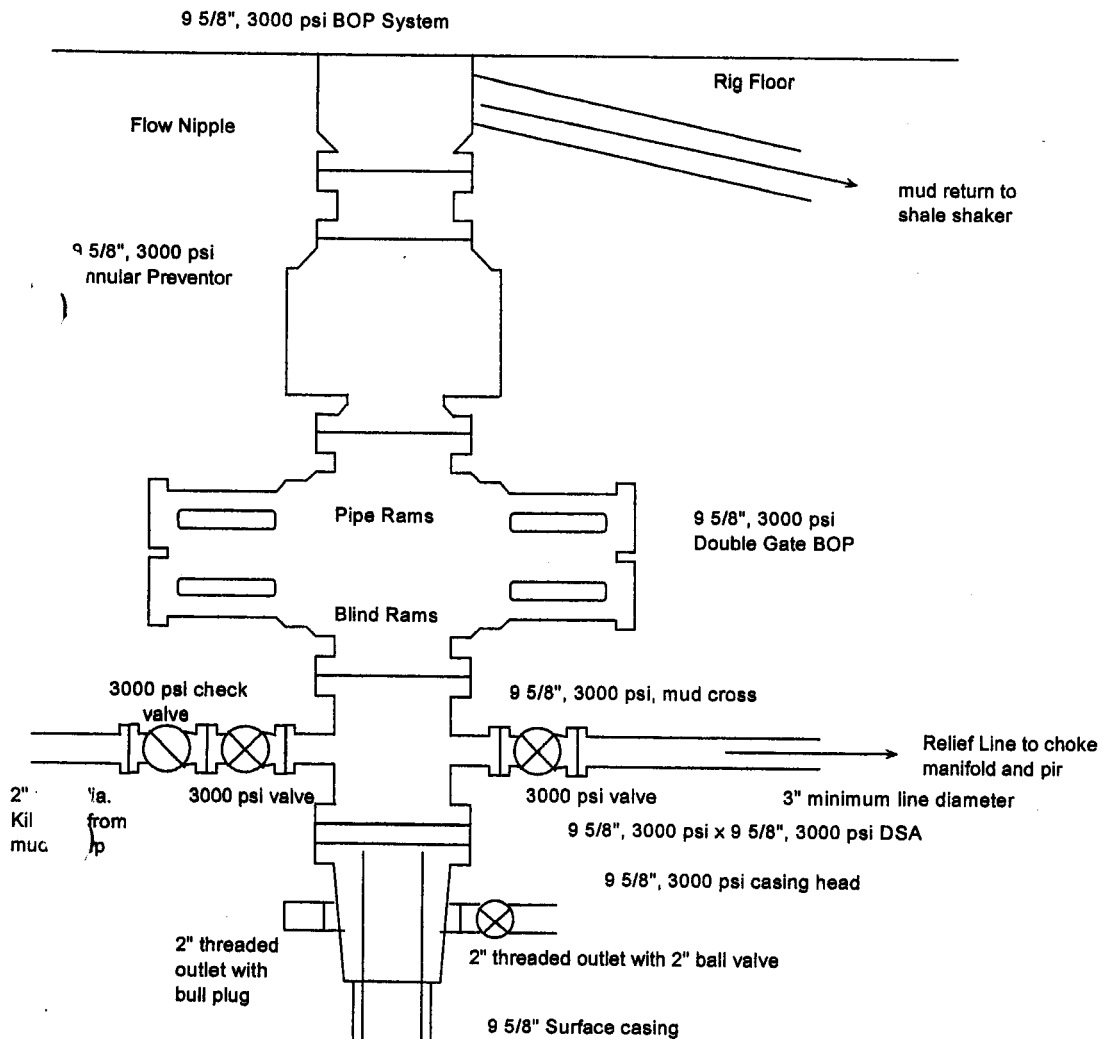
- This well is designed to be completed in the Pennsylvanian formations, based on cased-hole logs.
- A fresh water pressure gradient (.433 psi/ft) is anticipated. Adequate weighting material will be kept on location to maintain mud weight.
- LCM will be added to the mud system as required to maintain circulation.
- Estimated formation pressures:
 - Ismay 2294 psi
 - Desert Creek 2400 psi

Completion Information:

The completion procedure will be prepared after cased hole logs are analyzed. The well will probably be completed by frac treatment.

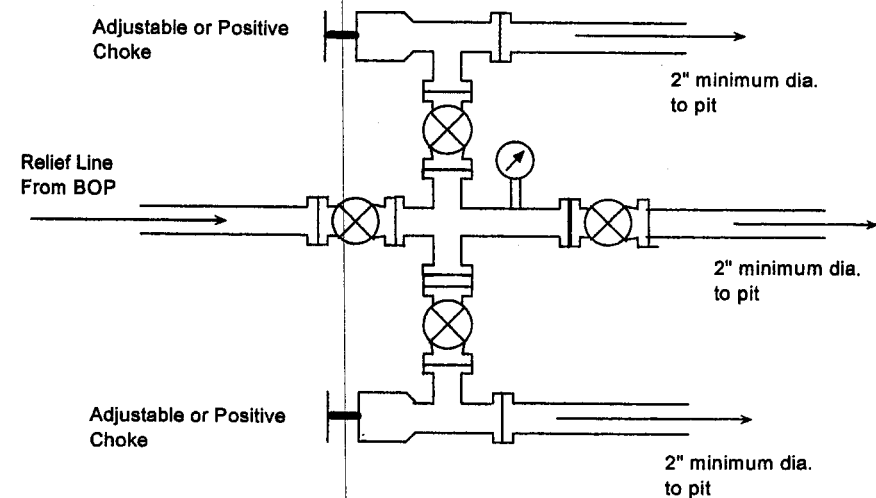
Prepared by: Robert R. Griffie
Operations Manager
Agent for CrownQuest
Date: 6/09/06

Figure 1



BOP Installation from Surface Casing depth (1515') to TD (5688'). 9 5/8", 3000 psi double gate BOP equipped with blind and pipe rams, 9 5/8" Annular BOP. All equipment rated at 3000 psi or greater working pressure.

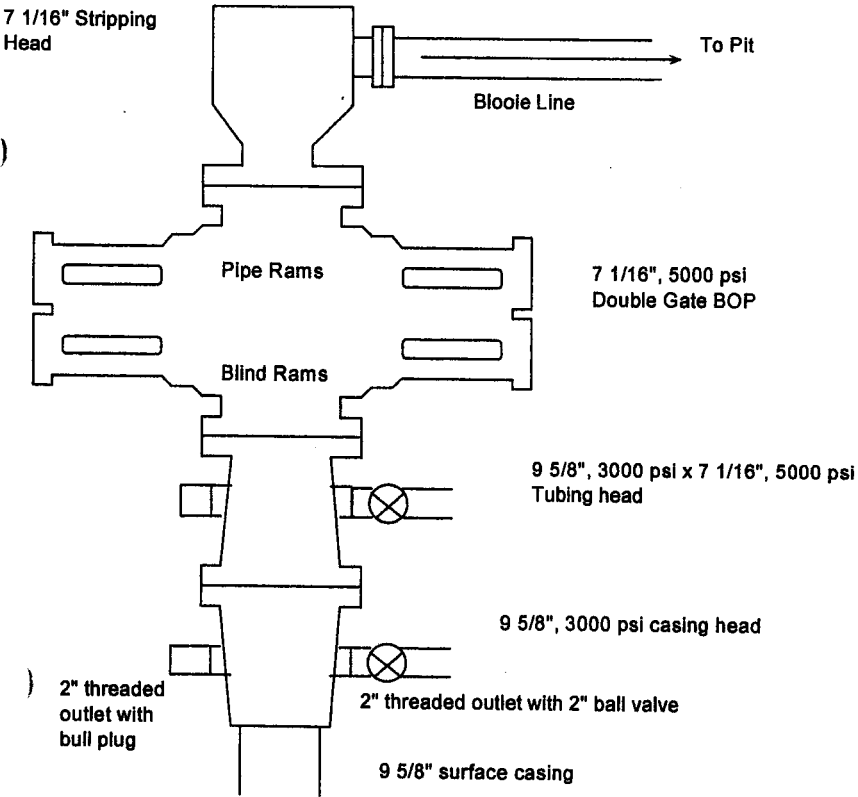
Figure 2



Choke manifold for BOP system shown in Figure 3. All equipment to be rated at 3000 psi or greater.

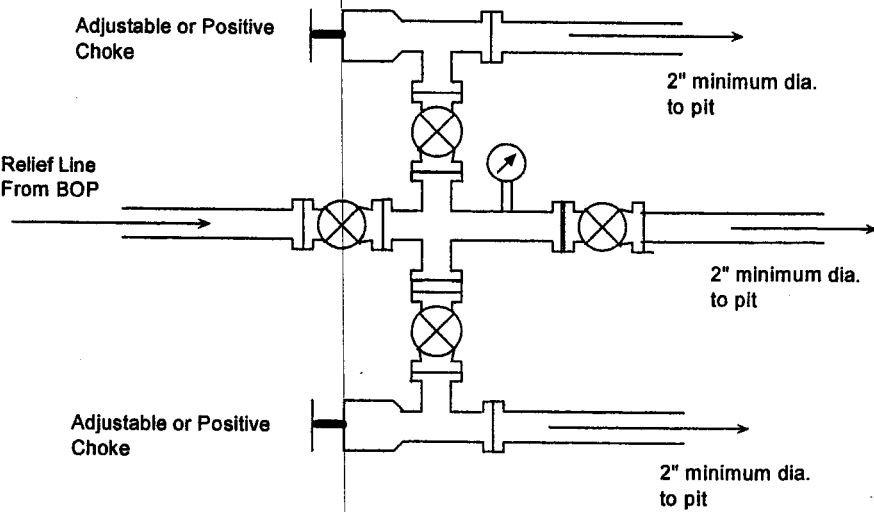
Figure 3

7 1/16", 5000 psi Completion Rig BOP System



BOP Installation for Completion operations. 7 1/16", 5000 psi double gate BOP equipped with blind and pipe rams. All equipment rated at 5000 psi or greater working pressure.

Figure 4



Choke manifold for BOP system shown in Figure 5. All equipment to be rated at 5000 psi or greater.

Tank Canyon 1-9 Re-Entry Procedure

Prepared by: Robert R. Griffie
Operations Manager
6/09/06

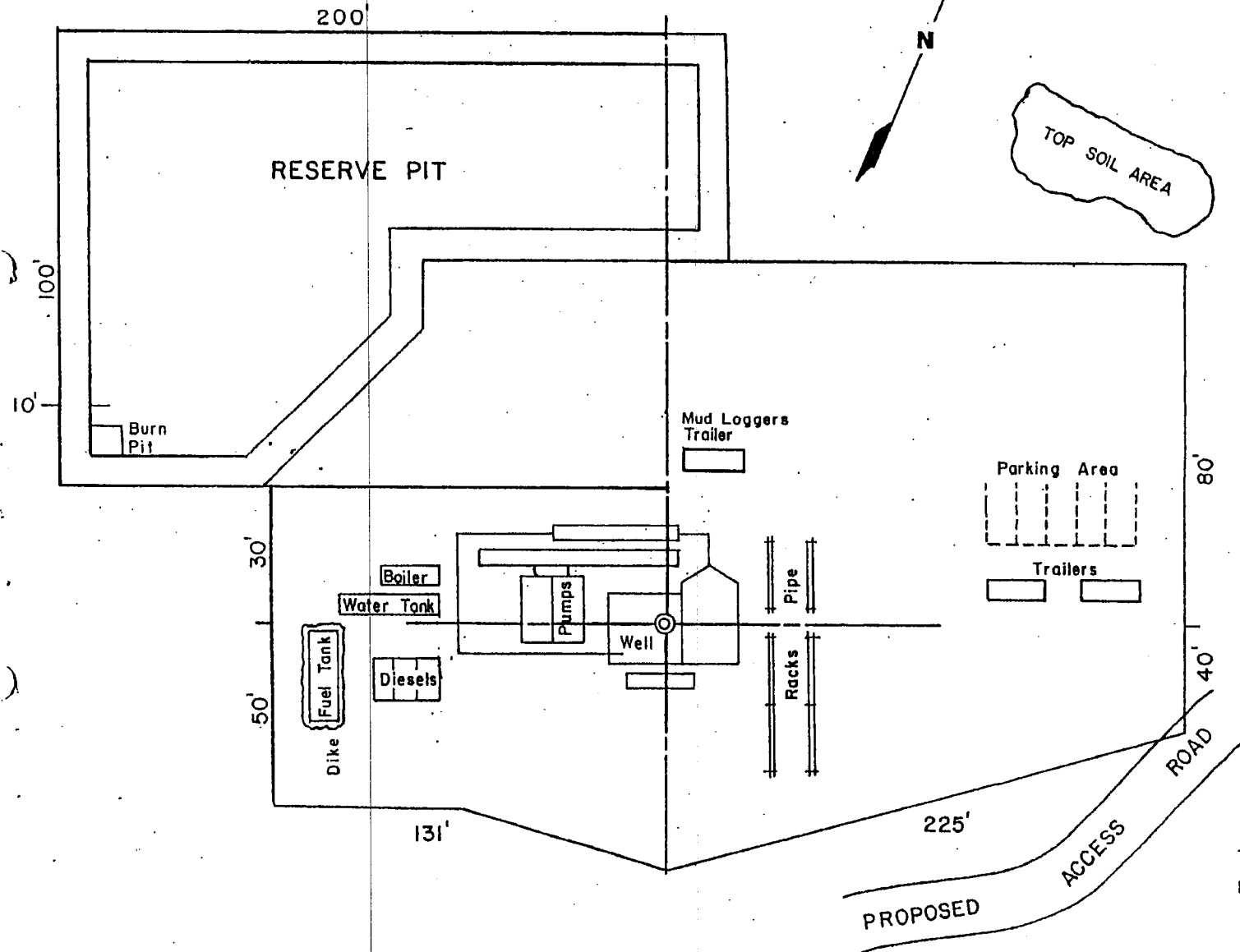
Notes:

- 3000 psi BOP equipment is selected to drill out the cement plugs. Calculated maximum formation pressure is 2424 psi at 5600' ft, or a pressure gradient of 0.433 psi/ft.
- 5000 psi BOP equipment is selected for completion work based on possible flow back pressures after acidizing or hydraulic fracture treatments and not from expected formation pressure.
- Surface casing is set at 1515'. 9 5/8", 40 ppf, N80. YP = 5750 psi. Cemented to surface.

Procedure

1. Construct location using original disturbed area (see diagram 1). Construct reserve pit and line. Dig out around dry hole marker. Remove marker. Construct and install cellar. Set rig anchors and test.
2. MIRU well service rig and equipment.
3. Weld on 9 5/8", 3000 psi casing head. Install 9 5/8", 3000 psi double gate BOPE and choke manifold.
4. PU 8 3/4" mill tooth bit, eight 4 3/4" dc's, and 2 7/8" work string. Drill out cement plugs from surface to 100'. Use production brine for fluid. Clean out to cement plug at 1315'.
5. TOH.
6. Install test plug in casing head and pressure test casing head and BOPE to 3000 psi.
7. Pressure test 9 5/8" casing to 3000 psi.
8. TIH with bit and dc's and drill cement plugs from and 1315' – 1715'. Clean out open hole to 4950' using fresh water, polymer, and gel fluid system. Drill out cement plugs from 4950' to TD of 5688'.
9. Circulate well clean and stabilize well bore.
10. TOH.
11. RU and run 5 1/2", 17 ppf, P-110, LTC casing. Install float shoe on bottom and float collar one joint from bottom. Centralize with 1 centralizer per casing collar from TD to 4100', and one centralizer at 1665' (inside surface casing). Land casing in full tension.
12. Cement as follows: 588 sks 65/35 poz + 6% gel + 0.25 #/sk D130 + 18% D44 + .3% D167 + .15% D65A + 5 #/sk D24 (12.4 ppg, 1.93 cf/sk) followed by 410 sks 25/75 poz + 0.3% D65 + 0.15% D65 + 10% D44BWOW + 0.35% retarder (13.8 ppg, 1.47 cf/sk). Slurry volumes designed to bring cement 500' up into 9 5/8" casing. Calculations based on 50% excess over open hole volume.

13. WOC 72 hours or as indicated by pilot testing, for cement to achieve full compressive strength.
 14. While WOC, ND 9 5/8", 3000 psi BOP. NU 9 5/8", 3000 psi x 7 1/16", 5000 psi casing head. NU 7 1/16", 5000 psi BOP.
 15. Pressure test casing and BOP to 5000 psi.
 16. PU bit. TIH and clean out to PBTD of 5644' +/- . Circulate casing clear. TOH.
 17. TIH to PBTD with casing scraper.
 18. Load casing with 4% KCL water. Insure that all additional load water is 4% KCL.
 19. TOH.
 20. Run cased-hole logs and evaluate.
 21. Select completion interval based on cased-hole logs. Completion may be accomplished by acidizing and/or frac (to be determined). Potential completion possibilities are of Pennsylvanian age from 5688' (top of Akah) to 4000' (mid Cutler).
 22. After completing, evaluate zones.
-



SCHEMATIC
of
RIG LAYOUT

PROPOSED

DIAGRAM

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NOV 2 1983

Bureau of Land Management
Branch of Fluid Minerals
Salt Lake City, UT

CONFIDENTIAL

Tank Canyon #1-9

Fed. U-51275

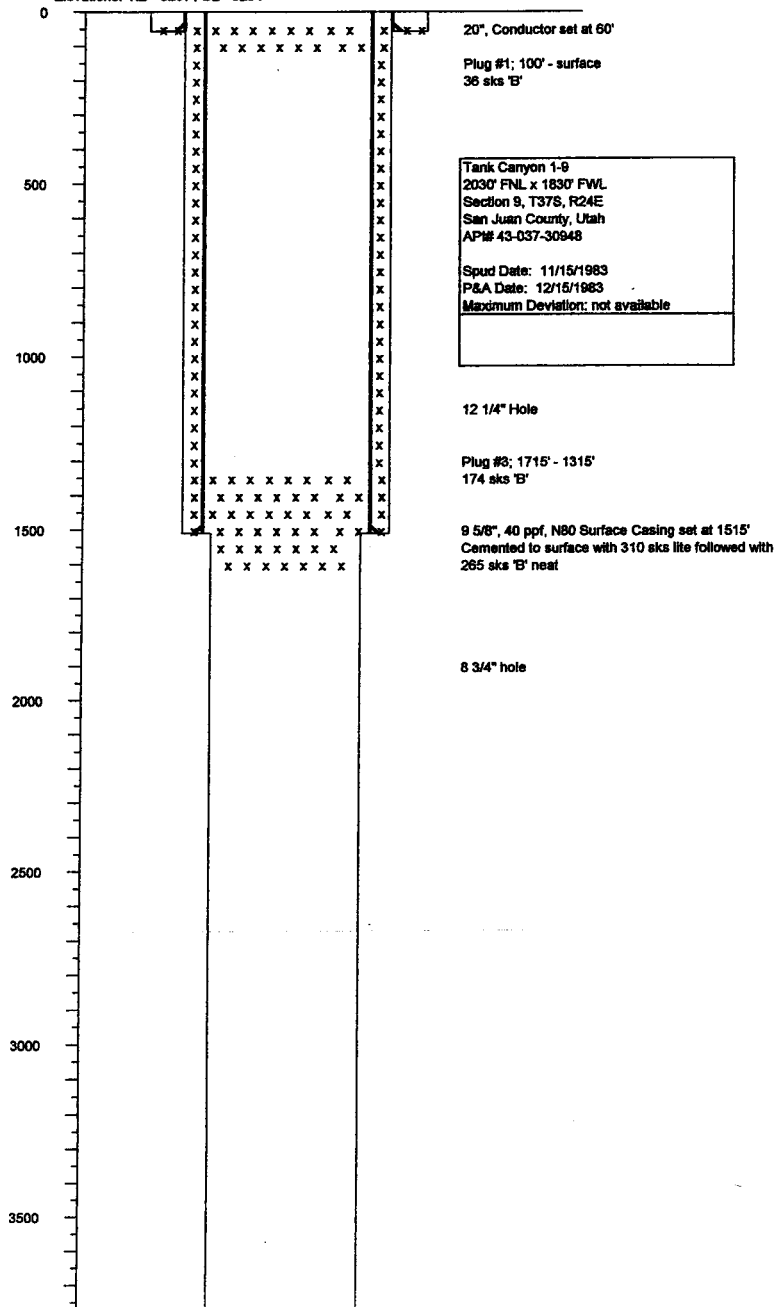
SE NW Sec. 9, T 37 S R 24 E

2030 FNL & 1830 FWL

San Juan Co., Utah

Diagram 1

Elevations: KB - 5237', GL - 5204'



Tank Canyon 1-9 Cementing Calculations

TD	5688 ft		
hole dia	8.75 inches		
surf csg	1515 ft	8 3/4 x 5 1/2 cap = landing depth 9 5/8", 40 ppf, N80 yp =	0.2526 cf/lf 5750 psi
prod csg	5688 ft	9 5/8 x 5 1/2 cap = landing depth 5 1/2", 17 ppf, J55 yp =	0.2894 cf/lf 7740 psi
HT top	4116 ft	5 1/2 cap =	0.1305 cf/lf
TOC	1000 ft		

Lead Slurry

65/35 POZ + 6% gel + 0.25 #/sk D130 + 18% D44 + 0.3% D167 + 0.15% D65A + 5#/sk D24

wt 12.4 ppg

yield 1.93 cf/sk

Tail Slurry

25/75 poz + 0.3% D65 + 10% D44BWOW + 0.35% retarder

wt 13.8 ppg

yield 1.47 cf/sk

Estimate 50% excess over open hole volume

Tail Volume

601.3728 cf

409.0971 sks

Lead Volume

1134.56 cf

587.8549 sks

Tank Canyon 1-9
Thirteen Point Surface Use Plan

1) Existing Roads

- a) The proposed route to the location is shown on the attached Topographical Map.
- b) The well pad is located approximately 25 miles South, Southeast of Blanding Utah.
- c) If necessary, an encroachment permit will be obtained from San Juan County, Utah for use of the existing county roads (CR #206, CR #146 & CR #2381). Approximately 17 miles of CR #206 and 7.25 miles of CR #146 and .50 mile of CR #2381 will be used to access the well site.

2) Planned Access Road

- a) Approximately .25 mile of access road will be upgraded from CR #2381 to the well site.
- b) The Maximum total disturbed width of the access road will be 20'.
- c) The maximum travel surface width of the access road will be 16'.
- d) Due to the steep terrain, no turnout will be possible.
- e) The access road will be flat bladed for drilling operations. If the well is determined to be productive, it will be upgraded.
- f) No cattle guards will be required.
- g) There are no existing roads outside the lease or unit boundary for which a BLM right-of-way is required.

3) Location of existing wells

See attached Topographical Map for the location of existing wells in the area of this proposed well site.

4) Location of Production Facilities

- a) In the event the well is brought to production, necessary production equipment will be determined and a diagram will be submitted showing the layout of such equipment on the location site.
- b) Off-site facilities: No off-site facilities are required.
- c) Pipelines: Pipeline design, construction, and permitting will be performed if needed after it is determined that the well is productive.

All permanent (in place for six months or longer) structures constructed or installed (including oil well pump jacks) will be painted a flat, nonreflective color to match the standard environmental colors, as determined by the Rocky Mountain Five-State Interagency Committee. All facilities will be painted within six months of installation.

Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded. Colors will be as follows: Juniper Green.

All site security guidelines identified in 43 CFR 3162.7-5 and Onshore Oil and Gas Order No. 3 shall be followed.

If a gas meter run is constructed it will be located on the lease within 500 feet of the well head. The gas flow line will be buried from the wellhead to the meter and will be buried downstream of the meter until it leaves the pad. Meter runs will be housed and /or fenced. The gas meter shall be calibrated prior to first sales and shall be calibrated quarterly thereafter. All gas production and measurement shall comply with the provisions of 43 CFR 3162.7-3, Onshore Oil and Gas Order No. 5, and American Gas Association (AGA) Report No. 3.

If a tank battery is constructed on this lease, it will be surrounded by a berm of sufficient capacity to contain 1 ½ times the storage capacity of the largest tank. All loading lines and valves will be placed inside the berm surrounding the tank battery. All oil production and measurement shall conform to the provisions of 43 CFR 3162.7-3, Onshore Oil and Gas Order No. 4.

Production facilities on location may include a lined or unlined production water pit as specified. If water is produced from the well an OOGO #7 application must be submitted.

5) Location and Type of Water Supply

All water needed for drilling and completion purposes will be obtained from the City of Blanding, Utah (NW 1/4, Section 27, T36S, R22E.).

6) Source of Construction Material

It is not anticipated that additional construction materials will be required for construction of the well pad, pit, and access road for drilling operations. Gravel and rock for upgrading the access roads to Class III Standards will be obtained from a private source, if needed. If additional materials are required, they will be obtained from a private source. The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

7) Methods of Handling Waste Water Disposal

All garbage and trash materials will be contained in a trash cage and removed from the site for proper disposal as necessary, but no later than at the conclusion of drilling operations. Portable toilets will be provided and serviced appropriately.

The first 6 inches of top soil will be removed, stockpiled along the Northern edge of the well pad and reserved for reclamation. The drill pad will be approximately 150' x 300'. The reserve pit will be re-excavated in the Southeast corner of the drill pad and will be approximately 150' x 75' x 10' with 3:1 slopes. Upon the

reopening of the reserve pit, an inspection will be made to determine if adequate quantities of native bentonite are present in the pit to provide an effective seal. If it is determined more bentonite is needed in the reserve pit, it would then be lined with approximately 24 tons of bentonite and worked into all surfaces of the reserve pit with a bulldozer. The bentonite would be purchased from a commercial source. Three sides of the reserve pit will be fenced prior to drilling operations and the fourth side of the pit will be fenced when drilling operations cease. The fence will be constructed using 32" woven wire topped with two smooth wire strands 4" and 16" above the woven wire. Steel T-posts will be set 16.5' apart and two stays will be used between the posts. Corner posts will be 6" or more and anchored with deadmen. The fence will be kept in repair while the pit dries. It is anticipated 4-7 days will be needed to construct the well pad, reserve pit and access. No new surface disturbance is anticipated. The reserve pit shall be located in the cut material, with at least 50% of the pit volume being below the original ground level. Wildlife protection, consisting of appropriate netting, will be used to cover the reserve pit.

8) Ancillary Facilities

N/A

9) Well Site Layout

Figures 4a and 4b show the well site layout and cut and fill. All existing wells in the vicinity of this well pad are shown on the attached Topographical Map. Access to the well pad will be shown on the Topographical Map.

10) Plans for Restoration of the Surface

The top 6 inches of topsoil material will be removed from the location and stockpiled separately on the north side of the pad.

Immediately upon completion of drilling, all equipment that is not necessary for production will be removed.

Before any dirt work to restore the location takes place, the reserve pit must be completely dry.

All road surfaces will be removed prior to the rehabilitation of roads.

Reclaimed roads will have the berms and cuts reduced and will be closed to vehicle use.

All disturbed areas will be recontoured to replicate the natural slope.

The stockpiled topsoil will be evenly distributed over the disturbed area.

Prior to reseeding, all disturbed areas, including the access roads, will be scarified and left with a rough surface.

Seed will be broadcast or drilled between Oct. 1 and Feb. 28, or at a time specified by the BLM. If broadcast, a harrow or some other implement will be dragged over the seeded area to assure seed coverage.

The following seed mixture will be used: 3 Indian ricegrass, 2 4wing, 2 Gallefa grass, 2 Mexican cliffrose, 1 Sand dropseed.

In the event the well is abandoned an abandonment marker will be place below ground level. The marker will supply the operator name, lease number, well name and surveyed description (township, range, section and either quarter-quarter or footages).

11) Surface and Mineral Ownership

Both the surface and the minerals are owned by the BLM.

12) Other Information

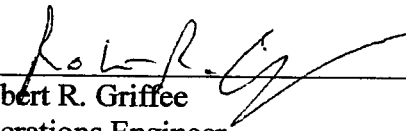
a) Archaeological Concerns: See archaeological report

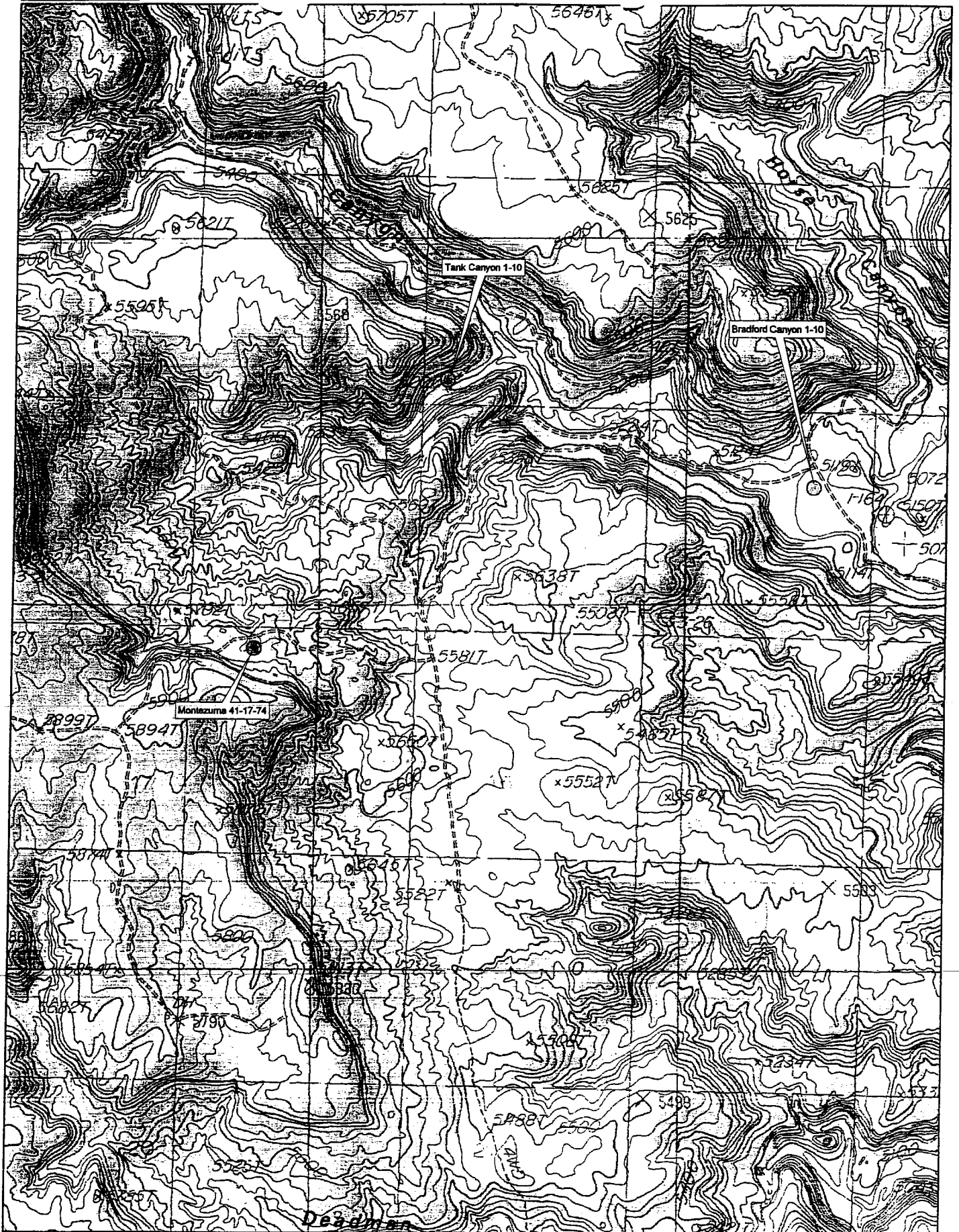
The operator is responsible for informing all persons in the area who are associated with this project that they will be prosecuted for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator is to immediately stop work that might further disturb such materials, and will contact the authorized officer (AO). Within five (5) working days, the AO will inform the operator as to:

- whether the materials appear eligible for the National Register of Historic Places;
- the mitigation measures the operator will likely have to undertake before the site can be used (assuming in situ preservation is not necessary); and
- a time frame for the AO to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the AO are correct and that the mitigation is appropriate.
- If the operator wishes, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the AO will assume responsibility for whatever recordation and stabilization of the exposed materials may be required. Otherwise, the operator will be responsible for mitigation costs. The AO will provide the technical and procedural guidelines for the conduct of mitigation.

Upon verification from the AO that the required mitigation has been completed, the operator will be allowed to resume construction.

- b) Threatened and Endangered Species Concerns: No known concerns.
- c) Wildlife Seasonal Restrictions (yes/no): Deer Winter Range December 15 – April 30.
- d) Off Location Geophysical Testing: N/A
- e) Drainage crossing that require additional State or Federal approval: N/A
- f) Other: Anticipated spud date, August 15, 2006.


Robert R. Griffie
Operations Engineer
June 15, 2006



Marie McGann
BLM Moab Field Office
82 East Dogwood
Moab, Utah 84532

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BLM MOAB FIELD OFFICE

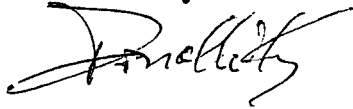
2006 JUL 19 P 12:25

DEPT OF THE INTERIOR
BLM MOAB FIELD OFFICE

Dear Marie:

I have enclosed copies of the Contact List for the three CrownQuest APD's. Sorry those got left out of the process. You will also find the Tank Canyon 1-9 Access Road Plat. That had not been completed when I brought the APD to you. Midland is taking care of the Bond issue. Let me know if something else needs attention.

Sincerely,



Donal Key

Date: 7-10-06

CONTACT LIST

Tank Canyon Projects

CrownQuest Operating , LLC
303 West Wall, Suite 1400
P.O. Box 2990
Midland, Texas 79702
Tommy Lent, PE, Vice President-Operations & Engineering
432-687-3116
Fax: 432-687-4804

Roddy Production Company, Inc
P.O. Box 2221 * 2600 Farmington Ave.
Farmington, NM 87499
Robert R. Griffie, PE, Operations Manager & CQ Agent
505-326-6813
Fax: 505-326-6814
Donal Key, Land, Permitting & Locations
505-716-2543
Fax: 505-326-6814

Basin Surveying, Inc
P.O. Box 6456
Farmington, NM 87499
108 Llano, Aztec NM 87410
John D. Wayne, P.L.S.
505-334-1500
Fax: 505-334-1498



State of Utah

**Department of
Natural Resources**

MICHAEL R. STYLER
Executive Director

**Division of
Oil, Gas & Mining**

JOHN R. BAZA
Division Director

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

April 5, 2007

Roddy Production Company, Inc
P O Box 2221
Farmington, NM 87499

Re: Tank Canyon 1-9 Well, 2065' FNL, 1827' FWL, SE NW, Sec. 9, T. 37 South,
R. 24 East, San Juan County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-037-30948.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

cc: San Juan County Assessor
Bureau of Land Management, Moab Office

Operator: Roddy Production Company, Inc
Well Name & Number Tank Canyon 1-9
API Number: 43-037-30948
Lease: UTU 84347

Location: SE NW **Sec.** 9 **T.** 37 South **R.** 24 East

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division with 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dustin Doucet at (801) 538-5281 office
(801) 733-0983 home

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**CONFIDENTIAL**FORM APPROVED
OMB NO. 1004-0137
Expires: November 30, 2000

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry Other
b. Type of Completion: ☐ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.,
Other Re-Entry

2. Name of Operator

Roddy Production Company, Inc.

3. Address

P.O. Box 2221, Farmington N.M. 87499

3a. Phone No. (include area code)

(505) 325-5750

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface 2065 1897
2030' ENL x 1830' FWLAt top prod. interval reported below sameAt total depth same

14. Date Spudded

11/15/1983

15. Date T.D. Reached

12/14/1983

16. Date Completed

☐ D & A ☒ Ready to Prod. 1/19/200718. Total Depth: MD 5688'
TVD 5688'19. Plug Back T.D.: MD 5644'
TVD 5644'20. Depth Bridge Plug Set: MD None
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

Compensated Neutron, Litho-Density logs submitted previously. CBL attached

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit report)
Directional Survey? ☒ No ☐ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12 1/4"	9 5/8", N80	40	Surface	1515'	None	310 Lite, 265 B	130 bbls	Surface	None
5 3/4"	5 1/2", P110	17	Surface	1928'	2996'	632 sks 25/75 poz	166.6 bbls	2996'	None
						428 sks 11.7 G	160.8 bbls	600'	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2 3/8"	5128'	None						

25. Producing Intervals

Formation	TOP	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Pennsylvanian	4200'	5688'	5136' - 5120'	0.32"	68	open, ready to produce
B)			5090-5088, 5080-5074, 5042-5036	0.32"	68	open, ready to produce
C)			4964' - 4952'	0.32"	52	open, ready to produce
D)			4880' - 4856'	0.32"	125	open, could not frac

26. Perforation Record

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
5136' - 5120'	1000 gals 15% HCL, 53000 lbs 20/40 sand in 70Q N2 foam
5090' - 5036'	5000 gals 20% HCL
4964' - 4952'	5000 gals 20% HCL
4880' - 4856'	1500 gals 15% HCL, could not break down zone to pump frac job

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
	1/18/07	24	→	60	550	5	44.5	1.14	flowing. ALL ZONES TESTED TOGETHER
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
1/4"	425	552	→	60	550	12	.11	Waiting on Pipeline	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
			→						

(See instructions and spaces for additional data on reverse side)

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APR 18 2007

DIV. OF OIL, GAS & MIN.

28 b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg Press. Flwg. SI	CS ₂ Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg Press. Flwg. SI	CS ₂ Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

Gas was flared for testing

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

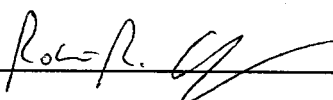
Formation	Top	Bottom	Descriptions, Contents, etc.	Name	TOP
					Meas. Depth
Honaker Trail	4200	5298	Brine Water, Gas, Oil	Top of Pennsylvanian (Honaker Trail formation)	4200
Upper Ismay	5298	5544	Brine Water, Gas, Oil		
Desert Creek	5658	5688	Brine Water, Gas, Oil		

32. Additional remarks (include plugging procedure):

33. Circle enclosed attachments:

1. Electrical/Mechanical Logs (I full set req'd.) 2. Geologic Report 3. DST Report 4. Directional Survey
5. Sundry Notice for plugging and cement verification 6. Core Analysis 7. Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) Robert R. Griffie Title Operations ManagerSignature  Date 04/12/07

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

RODDY PRODUCTION COMPANY, INC.

P.O. BOX 2221 • Farmington, New Mexico 87499
Telephone: (505) 325-5750 • Fax (505) 326-6814

CONFIDENTIAL

**Re-Entry Report Summary
Tank Canyon 1-9**

1/03/07

Mix 10.8 ppg CaCl₂ completion fluid.

1/4/07

Bleed pressure off well. Kill well with completion fluid. Release and TOH with packer. PU 4 ¾" mill and shear sub. TIH to 4800'.

1/5/07

Continue TIH to 4892'. Mill out composite bp. TIH and tag 2nd composite bp at 5002'. Mill out plug.

1/6/07

TIH and tag 3rd composite bp at 5103'. Mill out plug. Land tubing at 5463'. ND BOPE, NU well head.

1/7/07

Displace completion fluid with 4% KCL water. RU air and unload well. RU to flow back overnight.

1/8/07

Drop ball and shear off mill (dropped to bottom). Kick off well. Flow back overnight.

1/9/07

RU Superior W.S., pressure test lines. Pump 4000 gal 15% HCL to clean up all Pennsylvanian perforation intervals. RD Superior. Open well on 2" line and unload. Flow back overnight.

1/10/07

RD Animas 4, send to yard. Unload well with air. Flow back overnight.

1/11/07

FTP – 370 psi. SI

1/12/07

SI

1/13/07

SI

1/14/07

SI

1/15/07

SI

1/16/07

SI

1/17/07

RU Kiva test separator. Begin flow test at 11:30 AM.

RODDY PRODUCTION COMPANY, INC.

P.O. BOX 2221 • Farmington, New Mexico 87499

Telephone: (505) 325-5750 • Fax (505) 326-6814

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1/18/07

Final flow test results; 4:30 PM: CP – 540 psi, FTP – 415 psi, 554 mcf/d, 1.3 bopd. SI well.

1/19/07

Collect gas samples. Secure and SI well. W.O. Pipeline

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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT---" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil ☒ Gas ☐ Other

2. Name of Operator

Roddy Production Company, Inc.

3. Address and Telephone No.

P.O. Box 2221, Farmington NM 87499 (505) 325-5750

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Surface location: 2030' FNL x 1830' FWL, Section 9, T37S, R24E

FORM APPROVED

Budget Bureau No. 1004-0135

Expires: March 31, 1993

5. Lease Designation and Serial No.
UTU 84347

6. If Indian, Allottee or Tribe Name
N/A

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Tank Canyon 1-9

9. API Well No.

43-037-30948

10. Field and Pool, or Exploratory Area

Pennsylvanian

11. County or Parish, State

San Juan County, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

☐ Notice of Intent

☒ Subsequent Report

☐ Final Abandonment Notice

☐ Abandonment

☐ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☒ Other re-entry operations

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut-Off

☐ Conversion to Injection

☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depth for all markers and zones pertinent to this work.)*

Roddy Production is performing re-entry operations on the above referenced well. A summary report of these operations from 1/03/07 through 1/19/07 is attached.

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APR 18 2007

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Signed R. R. Griffie
Robert R. Griffie

Title Operations Manager
Roddy Production

Date: 02/21/07

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

***See Instruction on Reverse Side**

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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT..." for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil ☒ Gas ☐ Other

2. Name of Operator

Roddy Production Company, Inc.

3. Address and Telephone No.

P.O. Box 2221, Farmington NM 87499 (505) 325-5750

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Surface location: 2030' FNL x 1830' FWL, Section 9, T37S, R24E

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5. Lease Designation and Serial No.
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6. If Indian, Allottee or Tribe Name
N/A

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Tank Canyon 1-9

9. API Well No.

43-037-30948

10. Field and Pool, or Exploratory Area
Pennsylvanian

11. County or Parish, State
San Juan County, Utah

12. CHECK APPROPRIATE BOX(es) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent

☒ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment

☐ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☒ Other initial gas sales

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut-Off

☐ Conversion to Injection

☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depth for all markers and zones pertinent to this work.)*

CrownQuest Operating LLC/Roddy Production Company Inc. report initial gas production and sales to EnCana, from the above referenced well, beginning at 12 PM (noon) on 7/19/07.

14. I hereby certify that the foregoing is true and correct

Signed

Robert R. Griffie

Title Operations Manager
Roddy Production

Date: 07/24/07

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

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STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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CONFIDENTIAL FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER _____

2. NAME OF OPERATOR:
Roddy Production Company, Inc.

3. ADDRESS OF OPERATOR:
PO Box 2221 CITY Farmington STATE NM ZIP 87401

PHONE NUMBER:
(505) 327-5750

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 65' FNL x 37' FWL

COUNTY: San Juan

QTRAQTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENW 9 37S 24E

STATE: UTAH

5. LEASE DESIGNATION AND SERIAL NUMBER:
UTU 84347

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

8. WELL NAME and NUMBER:
Tank Canyon 1-9

9. API NUMBER:
4303730948

10. FIELD AND POOL, OR WILDCAT:
Wildcat

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON	
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 7/20/2007	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: Re-entry and Completion	
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION		

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Roddy Production Company, Inc. has performed re-entry operations and completed the above referenced well. The operations report summaries are attached. Gas was first sold on 7/19/2007 into EnCana pipeline.

NAME (PLEASE PRINT) Robert R. Griffie

TITLE Operations Manager

SIGNATURE

DATE 7/31/2007

(This space for State use only)

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RODDY PRODUCTION COMPANY, INC.

P.O. BOX 2221 • Farmington, New Mexico 87499

Telephone: (505) 325-5750 • Fax (505) 326-6814

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**Re-Entry Report Summary
Tank Canyon 1-9**

1/03/07

Mix 10.8 ppg CaCl₂ completion fluid.

1/4/07

Bleed pressure off well. Kill well with completion fluid. Release and TOH with packer. PU 4 3/4" mill and shear sub. TIH to 4800'.

1/5/07

Continue TIH to 4892'. Mill out composite bp. TIH and tag 2nd composite bp at 5002'. Mill out plug.

1/6/07

TIH and tag 3rd composite bp at 5103'. Mill out plug. Land tubing at 5463'. ND BOPE, NU well head.

1/7/07

Displace completion fluid with 4% KCL water. RU air and unload well. RU to flow back overnight.

1/8/07

Drop ball and shear off mill (dropped to bottom). Kick off well. Flow back overnight.

1/9/07

RU Superior W.S., pressure test lines. Pump 4000 gal 15% HCL to clean up all Pennsylvanian perforation intervals. RD Superior. Open well on 2" line and unload. Flow back overnight.

1/10/07

RD Animas 4, send to yard. Unload well with air. Flow back overnight.

1/11/07

FTP – 370 psi. SI

1/12/07

SI

1/13/07

SI

1/14/07

SI

1/15/07

SI

1/16/07

SI

1/17/07

RU Kiva test separator. Begin flow test at 11:30 AM.

RODDY PRODUCTION COMPANY, INC.

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1/18/07

Final flow test results; 4:30 PM: CP – 540 psi, FTP – 415 psi, 554 mcf/d, 1.3 bopd. SI well.

1/19/07

Collect gas samples. Secure and SI well. W.O. Pipeline

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**Re-Entry Report Summary
Tank Canyon 1-9**

12/03/06

SI. Rig on standby, w.o. frac crew.

12/04/06

SI. Rig on standby, w.o. frac crew.

12/05/06

SICP – 47 psi, SITP – 38 psi. Bleed well down. TOH. RU wellhead isolation tools.

12/06/06

Load casing w/ KCL water. RU Superior W.S. Pressure test lines to 8500 psi. Attempt to frac perforation interval 4856' – 4880' w/ N2 foam. Could not maintain N2 rate. Sanded off with 1.5 ppg sand on perforations. Pumped a total of 12,000 lbd 20/40 sand in 16,700 gals of 70Q N2 foam prior to sand off. RD Superior W.S. Flowback well overnight on 1/4" choke.

12/07/06

Bleed well down to 0 on 2" line. RD wellhead isolation tool. TIH w/ notched collar on tubing. Found that composite bridge plug set at 5050' had failed during frac and slid down hole to 5112'. Unload well w/ air. Pull up to 4880'. Load csg with 4% KCL water. TOH.

12/8/06

RU Blue Jet. Run gage ring and tag at 5120' (WL depth). POOH. PU 10k composite bp and TIH to 1500', well trying to unload. TOH. RD Blue Jet. RU Protechnics and ran tracer log. RD. PU 4 3/4" bit and TIH. Tag at 5096', pressure moved failed bp up hole. POOH to 4832'. Well unloading and flaring gas. RU to flow overnight.

12/9/06

FTP – 16 psi, FCP – 60 psi on 1/4" choke. Bleed well down. TIH and drill out composite bp. Unload well with air/mist and RU to flow overnight.

12/10/06

Flowtest well. FTP 135 psi, FCP 180 psi on 1/4" choke. Well flaring gas.

12/11/06

Bleed well down. TOH. PU packer and TIH. Set packer at 5012'. Flow back on 1/4" choke overnight.

12/12/06

FTP 165 psi on 1/4" choke. Bleed pressure down on 2". Release packer and TOH. TIH with sawtooth collar to 5456'. Pull up to 4050. RU and flow back overnight.

12/13/06

FTP – 190 psi, CP – 190 psi. TOH. SI overnight.

12/14/06

SICP – 1700 psi. RU Blue Jet. Set composite bp at 5103'. RD Blue Jet. TIH with packer and set at 5025'. Pressure test bp to 6500 psi. Perforate Pennsylvanian zones 5036' – 5042', 5074' – 5080', 5088' –

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5090' w/ 4 jsp. RD Blue Jet. PU packer and TIH to 4750'. Well unloading. RU to flow back. FTP 680 psi, CP – 900 psi on 1/4" choke. Flow back overnight.

12/15/06

FTP – 260 psi, CP – 400 psi on 1/4" choke. Bleed down on 2" line. Load well w/ 4% KCL water. Continue TIH w/ packer and set at 5025'. RU Superior WS and pressure test lines. Acidize perforations intervals from 5036' – 5090' w/ 4000 gals 20% HCL. RD Superior. RU and flow back. FTP – 480 psi on 1/4" choke. Flow back overnight.

12/16/06

FTP – 500 psi, 1/4" choke. Flaring gas. SI for pressure build-up.

12/17/06

SITP – 2250 psi. RU and flowback.

12/18/06

Flow back on 2" line. Mix completion fluid. Kill well. Release packer and TOH.

12/19/06

RU Blue Jet. Set composite bp at 4982'. RD. TIH with sawtooth collar to 4982'. Circ casing clear w/ 4% KCL water. TIH. RU wellhead isolation tool. W.O. frac crew.

12/20/06

RU Superior WS and pressure test lines. Attempt to re-frac perforation interval 4856' – 4880'. Could not break down zone. Aborted frac attempt.

12/21/06

RD wellhead isolation tool. TIH w/ tbg to 4915'. Spot 1000 gals 15% HCL. TOH. RU Superior and pressure test lines. Pump acid into perf interval 4856' – 4880'. Attempt to re-frac. Aborted frac attempt due to high treatment pressures and Superior equipment problems. RU and flow back overnight.

12/22/06

Flow back, well dead. RD wellhead isolation tool. Shut well in for holiday.

12/26/06

SICP – 1200 psi. Bleed off pressure. TIH w/ sawtooth collar. Clean out to composite bp at 4982' with air mist.

12/27/06

Blow well dry, no flare. TOH.

12/28/06

RU Blue Jet. Perforate Pennsylvanian 4952' – 4964'. RD. TIH with packer and set at 4910'. RU Superior and pressure test lines. Acidize with 3000 gals 20% HCL. RU and flowback well.

12/29/06

FTP – 590 psi on 1/4" choke, flaring gas. SI to build up over holiday.

RODDY PRODUCTION COMPANY, INC.

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**Re-Entry Report Summary
Tank Canyon 1-9**

11/18/06

SI well, monitor pressure.

11/19/06

SI well, monitor pressure.

11/20/06

Bleed down pressure to 0. Fill casing with 4% KCL water.

11/21/06

RU Blue Jet. Set composite bridge plug at 5050'. Pressure test plug. Perforate Pennsylvanian 4856' – 4880' w/ 4 jsp. TIH with tubing. Unload well. Monitor overnight.

11/22/06

Monitor pressure, CP – 0 psi, TP – 0 psi.

11/23/06

Monitor pressure, CP 175 psi, TP – 0 psi.

11/24/06

CP – 25 psi, TP – 175 psi. Bleed down and load casing with 4% KCL water. Attempt to rig up Schumberger to frac, frac crew would not work and returned to Farmington.

11/25/06

W.O. frac crew

11/26/06

W.O. frac crew

11/27/06

W.O. frac crew

11/28/06

W.O. frac crew

11/29/06

RU Superior WS. Pump perforation clean up treatment, 1000 gals surfactant + additives.

11/30/06

Open well to pit, no flow, W.O. frac crew.

12/01/06

W.O. frac crew.

12/2/06

W.O. frac crew.

RODDY PRODUCTION COMPANY, INC.

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**Re-Entry Report Summary
Tank Canyon 1-9**

11/02/06

Lay down 2 7/8" drill string.

11/03/06

Pressure test BOPE to 4200 psi. PU 4 3/4" bit and 2 3/8" tbg, RIH.

11/04/06

Drill out DV tool at 2976', clean out to 5588'.

11/07/06

RU Superior WS. Spot 250 gals 7.5% HCL. TOH. RU Blue Jet, ran CBL/GR/CCL from 5616' to surface. TOC 1st stage – 3520', TOC 2nd stage – 590'. Perforate Pennsylvanian fm 5122' – 5136' w/ 4 jsp. TIH with tubing to 5122'. Break down perforations with 1000 gals 15% HCL + additives. Bleed pressure off to 0 psi.

11/08/06

Bleed down well head pressure. TOH with tubing. Install wellhead isolation tool.

11/10/06

RU Superior WS. Frac with 53,000 lbs 20/40 sand in 10,642 gals of 70Q N2 Zeta foam. Rig down frac crew. Flow back well overnight.

11/11/06

Flow back well, N2 and foam. Well flowed then died – 0 psi.

11/12/06

Shut in well for build up test.

11/13/06

TIH with saw tooth collar and tubing. RU Swab. Froze rope socket. TOH, recover swab tools

11/14/06

TIH with saw tooth collar, SN, and tbg to 5140'. RU Superior WS. Pump cleanup treatment. Swab well back and flow overnight.

11/15/06

Well flowed some fluid, then gas, then died. RU Superior WS. Pump defoamer cleanup treatment. Flow back well overnight.

11/16/06

RU Swab. Make 18 runs, recover 103 bbls fluid, wellbore dry, no gas.

11/17/06

RU Superior WS. Pump 15% HCl cleanup treatment. RU swab, make 5 runs and recover 41 bbls fluid. No gas flow.

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**Re-Entry Report Summary
Tank Canyon 1-9**

10/17/06

Clean out open hole to 2315'.

10/18/06

Clean out open hole to 4052'.

10/19/06

Condition hole, build mud volume.

10/20/06

Clean out open hole to 5007'.

10/21/06

Clean out open hole to 5030' Drill cement plug from 5030' to 5166'.

10/22/06

Drill cement from 5166' to 5385'.

10/23/06

Clean out open hole to TD 5688'.

10/24/06

Circulate and condition hole.

10/25/06

Begin running 5 ½", 17 ppf P110 casing. Ran casing to 1485'.

10/26/06

Continue running 5 ½", 17 ppf, P110, LTC casing. Float shoe on bottom, float collar one joint up. Installed centralizers as per APD. Land at 5688', DV tool at 2996'.

10/27/06

RU Schlumberger, change cement makeup water.

10/28/06

Cement 1st stage with 632 sks 25/75 Pox + additives. Drop DV tool opening bomb. Circulate overnight.

10/29/06

Cement 2nd stage with 428 sks class 'G' + additives. Did not circulate cement to surface.

11/01/06

ND BOPE. NU 9 5/8", 3000 psi x 7 1/16", 5000 psi casing head. Pressure test.

RODDY PRODUCTION COMPANY, INC.

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**Re-Entry Report Summary
Tank Canyon 1-9**

9/27/06

Move in Animas Rig 4 and equipment.

9/28/06

Move in rig and equipment.

9/29/06

Well head – pre installed. NU BOPE, rig up.

10/2/06

Complete rig up. PU 8 ½" mill and clean out cement and metal junk to 10'.

10/3/06

Clean out cement and metal junk to 56'.

10/4/06

Clean out cement to 112' (bottom of plug). TIH to 1120'.

10/5/06

Circulate hole clean. RU BOP testers. Pressure test BOPE and casing to 2250 psi as per Jeff Brown, BLM.

10/6/06 – 10/10/06

Shut down due to heavy rains.

10/11/06

Install in-line check valve and pressure test to 2000 psi. Clean out cement to 1395'.

10/12/06

Drill cement to 1700'.

10/13/06

Drill through bottom of cement plug at 1785'. RIH to 1826'. TOH and check bit. PU 4 3/4" jars and bumper sub. TIH to 1300'.

10/14/06

Mix 10.2, 58 vis mud and displace.

10/16/06

Clean out open hole to 2098'.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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AMENDED REPORT ☒
(highlight changes)

FORM 8

5. LEASE DESIGNATION AND SERIAL NUMBER:
UTU 84347

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER _____

b. TYPE OF WORK: NEW WELL ☐ HORIZ. LATS. ☐ DEEP-EN ☐ RE-ENTRY ☒ DIFF. RESVR. ☐ OTHER _____

7. UNIT or CA AGREEMENT NAME

8. WELL NAME and NUMBER:
Tank Canyon 1-9

2. NAME OF OPERATOR:
Roddy Production Company, Inc.

9. API NUMBER:
4303730948

3. ADDRESS OF OPERATOR:
PO Box 2221 CITY **Farmington** STATE **NM** ZIP **87401**

PHONE NUMBER:
(505) 325-5750

10. FIELD AND POOL, OR WILDCAT
Wildcat

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: **2030' FNL x 1850' FWL**
65 27
AT TOP PRODUCING INTERVAL REPORTED BELOW: **same**
AT TOTAL DEPTH: **same**

11. QTR/QR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
SE NW 9 37S 24E

12. COUNTY
San Juan

13. STATE
UTAH

14. DATE SPUDDED:
11/15/1983

15. DATE T.D. REACHED:
12/14/1983

16. DATE COMPLETED:
1/19/2007

ABANDONED ☐ READY TO PRODUCE ☒

17. ELEVATIONS (DF, RKB, RT, GL):
5204' GL

18. TOTAL DEPTH: MD **5,688**
TVD **5,688**

19. PLUG BACK T.D.: MD **5,644**
TVD **5,644**

20. IF MULTIPLE COMPLETIONS, HOW MANY? *

21. DEPTH BRIDGE MD
PLUG SET: TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)

CBL

23.
WAS WELL CORED? NO ☒ YES ☐ (Submit analysis)
WAS DST RUN? NO ☒ YES ☐ (Submit report)
DIRECTIONAL SURVEY? NO ☒ YES ☐ (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
12 1/4	9 5/8 N80	40	0	1,515		lite 310			
						B 265	130	Surface	none
8 3/4	5 1/2 P110	17	0	5,688	2,996	Poz 632	167		
						G 428	160	615	none

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 7/8	5,128							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A) Pennsylvanian	4,200	5,688			5,120 5,136	.32	68	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(B)					5,036 5,090	.32	68	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(C)					4,952 4,964	.32	52	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(D)					4,856 4,880	.32	125	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
5120 - 5136	1000 gals 15% HCL, 53000 lbs 20/40 sand in 70Q N2 foam
5036 - 5090, 4952 - 4964	5000 gals 20% HCL, 5000 gals 20% HCL
4856 - 4880	1500 gals 15% HCL, could not break down zone to frac

29. ENCLOSED ATTACHMENTS:

☒ ELECTRICAL/MECHANICAL LOGS ☐ GEOLOGIC REPORT ☐ DST REPORT ☐ DIRECTIONAL SURVEY
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☐ OTHER: _____

30. WELL STATUS:

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AUG 06 2007

(CONTINUED ON BACK)

(5/2000)

DIV. OF OIL, GAS & MINING

CONFIDENTIAL**31. INITIAL PRODUCTION****INTERVAL A (As shown in Item #26)**

DATE FIRST PRODUCED: 7/20/2007		TEST DATE: 7/20/2007		HOURS TESTED: 14		TEST PRODUCTION RATES: →	OIL – BBL: 20	GAS – MCF: 410	WATER – BBL: 0	PROD. METHOD: flowing
CHOKE SIZE: 3/8	TBG. PRESS. 175	CSG. PRESS. 310	API GRAVITY 0.74	BTU – GAS 1,140	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL: 34	GAS – MCF: 703	WATER – BBL: 0	INTERVAL STATUS: producing

INTERVAL B (As shown in Item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in Item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in Item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)**Sold****33. SUMMARY OF POROUS ZONES (Include Aquifers):**

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.


34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
Honaker Trail	4,200	5,298	Brine water, Gas, Oil	Top of Pennsylvanian (Honaker Trail FM)	4,200
Upper Ismay	5,298	5,544	Brine water, Gas, Oil		
Desert Creek	5,658	5,688	Brine water, Gas, Oil		

35. ADDITIONAL REMARKS (include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) Robert R. Griffie TITLE Operations Manager

SIGNATURE  DATE 7/31/2007

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340
Fax: 801-359-3940

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTION FORM

Operator: Roddy Production Company Operator Account Number: N 3140
Address: PO Box 2221
city Farmington
state NM zip 87499 Phone Number: (505) 325-5750

Well 1

API Number	Well Name	QQ	Sec	Twp	Rng	County
4303730948	Tank Canyon 1-9	SENW	9	37S	24E	San Juan
Action Code	Current Entity Number	New Entity Number	Spud Date	Entity Assignment Effective Date		
C	2765	16541	1/3/2007	12/13/2007		
Comments: Original entity assigned in Tin Cup Mesa (1982) in error. This well was NEVER in that unit boundary. First production for this well was 7/19/2007. Correction by DOGM 12/13/07						

Well 2

API Number	Well Name	QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date	Entity Assignment Effective Date		
Comments:						

Well 3

API Number	Well Name	QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date	Entity Assignment Effective Date		
Comments:						

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

RECEIVED

DEC 13 2007

DIV. OF OIL, GAS & MINING

Earlene Russell (FOR DOGM)

Name (Please Print)

Earlene Russell

Signature

Engineering Technician

12/13/2007

Title

Date

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU 84347
2. NAME OF OPERATOR: CrownQuest Operating, LLC <i>N2685</i>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
3. ADDRESS OF OPERATOR: P. O. Box 2221 CITY Farmington STATE NM ZIP 87499		7. UNIT or CA AGREEMENT NAME: Tank Canyon 1-9
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2030' FNL x 1830' FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENW 9 37S 24E		8. WELL NAME and NUMBER: Tank Canyon 1-9
PHONE NUMBER: (505) 325-5750		9. API NUMBER: 4303730948
COUNTY: San Juan		10. FIELD AND POOL, OR WILDCAT: Pennsylvanian
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Change of Operator</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

This Sundry is to report a Change of Operator, effective July 1, 2007, from Roddy Production Company, Inc. to CrownQuest Operating, LLC. on the above-referenced well.

RODDY PRODUCTION COMPANY (N3140)
PO BOX 2221
FARMINGTON NM 87499
(505) 325-5750

Merger 5/16/07

NAME (PLEASE PRINT) J. T. Lent TITLE VP Operations & Engineering
SIGNATURE *J. T. Lent* DATE 10/3/2007

(This space for State use only)

APPROVED 12/31/07
Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

RECEIVED

OCT 22 2007

DIV. OF OIL, GAS & MINING

CrownQuest Operating, LLC
Well No. Tank Canyon 1-9
Section 9, T37S, R24E
Lease UTU84347
Grand County, Utah

CONDITIONS OF ACCEPTANCE

Acceptance of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be advised that CrownQuest Operating, LLC is considered to be the operator of the above well effective July 1, 2007, and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond coverage for this well is provided by UTB000218 (Principal – CrownQuest Operating, LLC) via surety consent as provided for in 43 CFR 3104.2.

This office will hold the aforementioned operator and bond liable until the provisions of 43CFR 3106.7-2 continuing responsibility are met.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires July 2010

5. Lease Serial No.
UTU 84347

6. If Landman, All Office or Title Name
2008 OCT 26 AM 9:05
N/A

SUNDRY NOTICES AND REPORTS ON WELLS
**Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals.**

SUBMIT IN TRIPLICATE – Other instructions on page 2.

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
CrownQuest Operating, LLC

3a. Address
P. O. Box 2221
Farmington NM 87499

3b. Phone No. (include area code)
505-325-5750

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
2030' FNL x 1830' FWL, Section 9, T37S, R24E

7. If Unit of CA/Agreement, Name and/or No.

8. Well Name and No.
Tank Canyon 1-9

9. API Well No.
43-037-30948

10. Field and Pool or Exploratory Area
Pennsylvanian

11. Country or Parish, State
San Juan County, Utah

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>Change of Operator</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Effective July 1, 2007, CrownQuest Operating, LLC has taken over as operator of this property from Roddy Production Company, Inc.

RECEIVED

OCT 26 2007

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct.
Name (Printed/Typed)

J. T. Lent

Title VP Operations & Engineering

Signature

Date 10/03/2007

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

ACCEPTED

Division of Resources

Title Moab Field Office

Date

10/24/07

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

cc: URBGM- 10/24/07

Conditions Attached

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

ROUTING

1. DJJ
2. CDW

Change of Operator (Well Sold)

X - Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

7/1/2007

FROM: (Old Operator): N3140-Roddy Production Company PO Box 2221 Farmington, NM 87499 Phone: 1 (505) 325-5750	TO: (New Operator): N2685-CrownQuest Operating, Inc. PO Box 2221 Farmington, NM 87499 Phone: 1 (505) 325-5750
--	---

CA No.

Unit:

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
TANK CYN 1-9	09	370S	240E	4303730948	16541	Federal	GW	P

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 10/22/2007
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 10/22/2007
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 5731900-0161
- a. Is the new operator registered in the State of Utah: Business Number: 10/22/2007
- b. If **NO**, the operator was contacted on: _____
- a. (R649-9-2)Waste Management Plan has been received on: IN PLACE
- b. Inspections of LA PA state/fee well sites complete on: n/a
- c. Reports current for Production/Disposition & Sundries on: ok
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM 10/26/2007 BIA
- Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: _____
- Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: _____
- Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: _____

DATA ENTRY:

- Changes entered in the **Oil and Gas Database** on: 12/31/2007
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 12/31/2007
- Bond information entered in RBDMS on: 12/31/2007
- Fee/State wells attached to bond in RBDMS on: _____
- Injection Projects to new operator in RBDMS on: _____
- Receipt of Acceptance of Drilling Procedures for APD/New on: _____

BOND VERIFICATION:

- Federal well(s) covered by Bond Number: UTB000218
- Indian well(s) covered by Bond Number: _____
- a. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number _____
- b. The **FORMER** operator has requested a release of liability from their bond on: _____

The Division sent response by letter on: _____

LEASE INTEREST OWNER NOTIFICATION:

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: _____

COMMENTS:

CROWNQUEST

CROWNQUEST OPERATING, LLC

November 17, 2009

Dustin Doucet
Utah Division of Oil, Gas & Mining
P.O. Box 145801
Salt Lake City, Utah 84114-5801

RE: Wildcat Status on Utah Wells

Dustin,

As discussed with you in our phone conversation we are requesting wildcat status on our Utah properties.

Per R649-3-35, enclosed is the information needed for final designation of wildcat status on the wells referenced below.

- Tank Canyon 1-9
- Raider Fee 1-17
- Bradford Canyon 1-10
- Anteater State 1-21X
- Explorer State 1-16
- SP Meyer #1

Please contact myself or Bob Griffie if more information is needed. Thank you in advance for your help in this matter.

Sincerely,



Staci Baysinger
Financial Manager Northern Region
CrownQuest Operating, LLC
sbaysinger@crownquest.com

RECEIVED

NOV 18 2009

DIV. OF OIL, GAS & MINING

Tank Canyon 1-9

1.2.1 The plat map is attached. At the time the Tank Canyon 1-9 was re-entered and completed in 2006, there were no wells producing from the Pennsylvanian within a one mile radius of this well. The Montezuma 41-17-74 was subsequently re-entered in 2007 and the well bore was lost below 4900' due to a down hole fire. Then Montezuma 41-17-74 2X was subsequently drilled in 2007.

1.2.2 The attached well bore diagram shows the completed zones. All perforations are believed to contribute to the total production of the well.

1.2.3 The stratigraphic sequence is shown on the well bore diagram.

1.2.4 The specific geologic structure pertaining to this well is yet to be designated and defined.

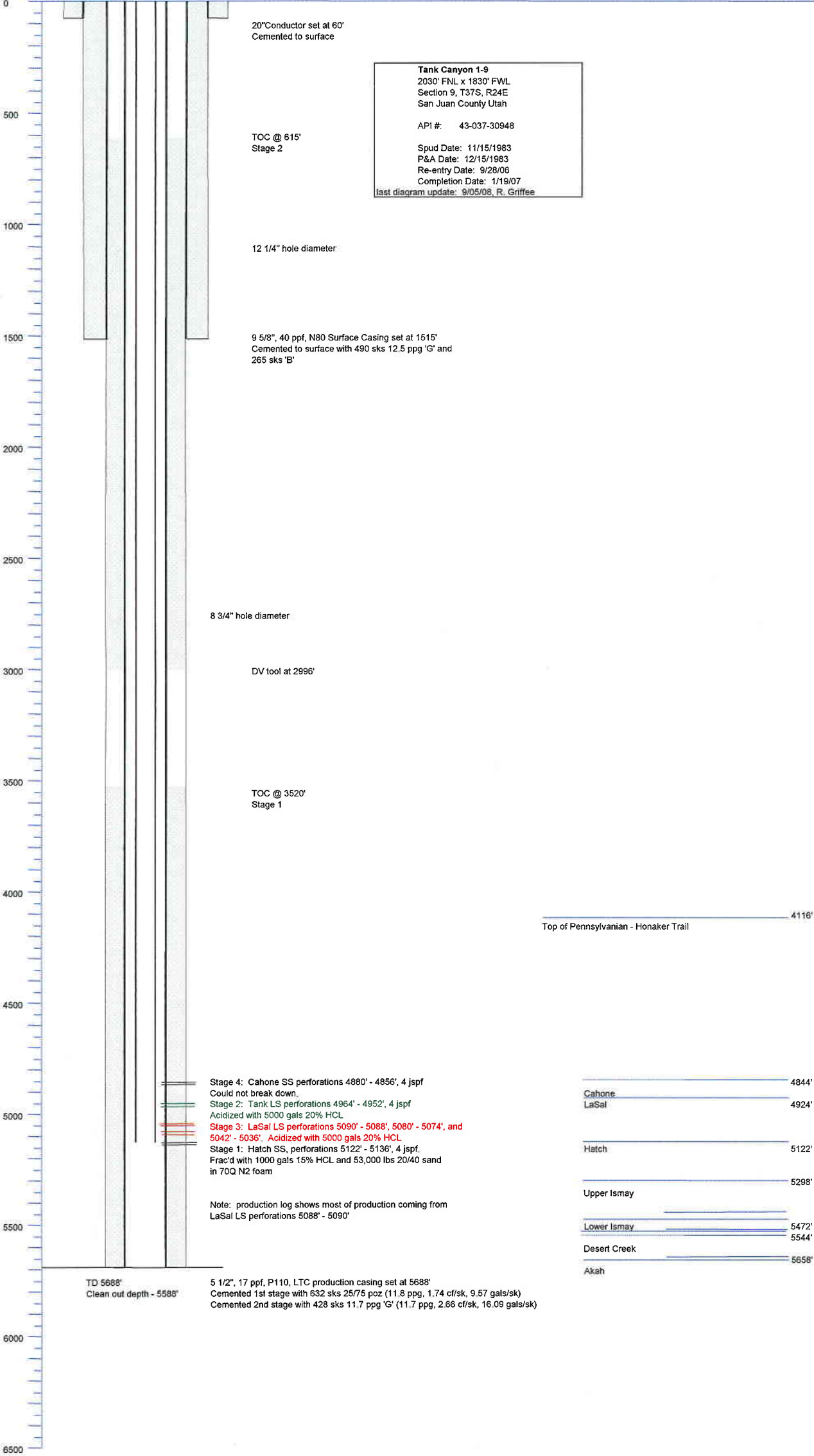
1.2.5 Bottom hole pressure data was not gathered on the Tank Canyon 1-9.

1.2.1 Plat Map
Tank Canyon 1-9

This topographic map shows the Tank Canyon 1-9 area. A red circle with a radius of one mile is centered on the location of Tank Canyon 1-9, which is marked with a blue dot. The map includes contour lines, a grid, and various geographical features such as Bradford Canyon, Montezuma Canyon, and the Holse River. Key locations marked include Marathon Federal 1-5, Montezuma 41-17-74 2A, and Bradford Canyon 1-10-72. The map also shows several elevation points and a dashed line representing a boundary or route.

Sketch of the study area showing the location of the study site (A) relative to the town of Tih (TN) and the road to the town of Mh (10.8'E).

Elevations: 5204' GL, 5237' RKB



DIVISION OF OIL, GAS AND MINING
Wildcat Well Determination
STATEMENT OF BASIS

Applicant: CrownQuest Operating, LLC

Location: SESW Sec. 9 T37S, R24E, San Juan County, Utah

WELL NAME: Tank Canyon 1-9 **API #:** 43-037-30948

FINDINGS

1. The subject well was reentered on October 2, 2006. Total depth was reached on October 23, 2006 and the well was first produced on July 19, 2007.
2. The subject well was originally drilled in 1983 to a total depth of 5688', tested and subsequently P&A'd without producing.
3. The subject well currently produces from the Honaker Trail formation from 4856' to 5136'.
4. The subject well was > 1 mile from any known production in all formations at the date of first commercial production on July 19, 2007.
5. Two other wells have been drilled in the area of review subsequent to the subject well being brought on line. See Attachment A for summary of current wells within the one (1) mile area of review.
6. The Wildcat Tax Credit application was received over 2 years after completion of the subject well. Future submittals should be filed timely (see submittal requirements in R649-3-35-1).

CONCLUSIONS

Although this is a reentry and the original well was tested and did have gas shows, the original well never produced in commercial quantities. Based on the findings above the Division has determined the Tank Canyon 1-9 well was drilled into an unknown area for the Honaker Trail formation. Although the request for wildcat well determination was received well after the completion of the well, no other requests for a wildcat determination have been received or approved by the Division within the area of review. Therefore, the Division finds that this well qualifies for the severance tax exemption under Section 59-5-102(2)(d) for wildcat wells. This determination was made in accordance with Oil and Gas General Conservation Rule R649-3-35 and the definition of a wildcat well in R649-1-1.

Reviewer(s): Dustin K. Doucet 

Date: 12/17/2009

The map displays the Montezuma Well area, centered around a large circular feature. A grid of section numbers (03, 04, 05, 08, 09, 10, 15, 16) is overlaid. Key locations include MARATHON FEDERAL 1-5 in the top left, TANK CYN 1-9 and TANK CANYON 2-9 in the center, and BRADFORD CANYON in the top right. A large circular area is drawn around the central features. A legend in the bottom left corner defines symbols for well status (e.g., APD - Approved Permit, DRL - Spudded (Drilling Commenced), GIW - Gas Injection, GS - Gas Storage, LA - Location Abandoned, LOC - New Location, OPS - Operation Suspended, PA - Plugged Abandoned, PGW - Producing Gas Well, POW - Producing Oil Well, RET - Returned APD, SGW - Shut-in Gas Well, SOW - Shut-in Oil Well, TA - Temp. Abandoned, TW - Test Well, WDW - Water Disposal, WIW - Water Injection Well, WSW - Water Supply Well) and symbols for well paths (SGID93.ENERGY.DNROilGasWells_HDBottom) and well sections (SGID.U024.PLSSSections_GCDB). A north arrow is located in the bottom right corner.

ATTACHMENT A

1 Mile Area of Review

API	WELL_NAME	Well Status	QTR	Sect	Town	Range	Cum Oil	Cum Gas	Field Type	Dx From Well(ft)	Rotary Spud	Date TD Reached	Date First Produced	Producing Formation
4303730948	TANK CYN 1-9	P	SENW	09	370S	240E	3917	372134	310	0	10/2/2006	10/23/2006	7/19/2007	Honaker Trail (Pennsylvanian)
4303731199	TANK CANYON 2-9	LA	NWSW	09	370S	240E	0	0	E	2190	NA	NA	NA	NA
4303731765	MONTEZUMA 41-17-74	OPS	NENE	17	370S	240E	0	0	W	4742	6/26/2008	7/8/2008	7/11/2008	Shinarump
4303731874	MONTEZUMA 41-17-74 2X RIGSKID	P	NENE	17	370S	240E	578	1202	W	4801	10/7/2007	10/20/2007	5/3/2008	Honaker Trail (Pennsylvanian)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:
UTU 84347

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CO-AGREEMENT NAME:

1. TYPE OF WELL
OIL WELL ☐ GAS WELL ☒ OTHER _____

8. WELL NAME and NUMBER:
Tank Canyon 1-9

2. NAME OF OPERATOR:
CrownQuest Operating, LLC

9. API NUMBER:
4303730948

3. ADDRESS OF OPERATOR:
P.O. Box 2221 CITY Farmington STATE NM ZIP 87401

PHONE NUMBER:
(505) 325-5750

10. FIELD AND POOL, OR WILDCAT:
Wildcat

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 2030' FNL x 1830' FWL

COUNTY: San Juan

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESW 9 37S 24E

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>wildcat designation</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

CrownQuest Operating LLC requests wildcat designation for this well.

NAME (PLEASE PRINT) Robert R. Griffie

TITLE Operations Manager

SIGNATURE *Robert R. Griffie*

DATE 11/30/2009

(This space for State use only)

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE 12/17/09

BY: *[Signature]* (See Instructions on Reverse Side)

(5/2000)

* See attached Statement of Basis
Oil Tax Commission

RECEIVED
NOV 30 2009
DIV. OF OIL, GAS & MINING

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU 84347
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: CROWNQUEST OPERATING, LLC		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 303 Veterans Airpark Ln Ste 5100 , Midland, TX, 79705		8. WELL NAME and NUMBER: TANK CYN 1-9
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2065 FNL 1827 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 09 Township: 37.0S Range: 24.0E Meridian: S		9. API NUMBER: 43037309480000
PHONE NUMBER: 432 818-0300 Ext		9. FIELD and POOL or WILDCAT: BRADFORD CYN
COUNTY: SAN JUAN		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 11/21/2016 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </div> <div style="width: 33%;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER </div> <div style="width: 33%;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION </div> </div>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Well is back on production as of November 21, 2016.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY December 23, 2016		
NAME (PLEASE PRINT) Jeremy Divine	PHONE NUMBER 432 557-6778	TITLE Foreman
SIGNATURE N/A	DATE 12/13/2016	